

FIG. 1

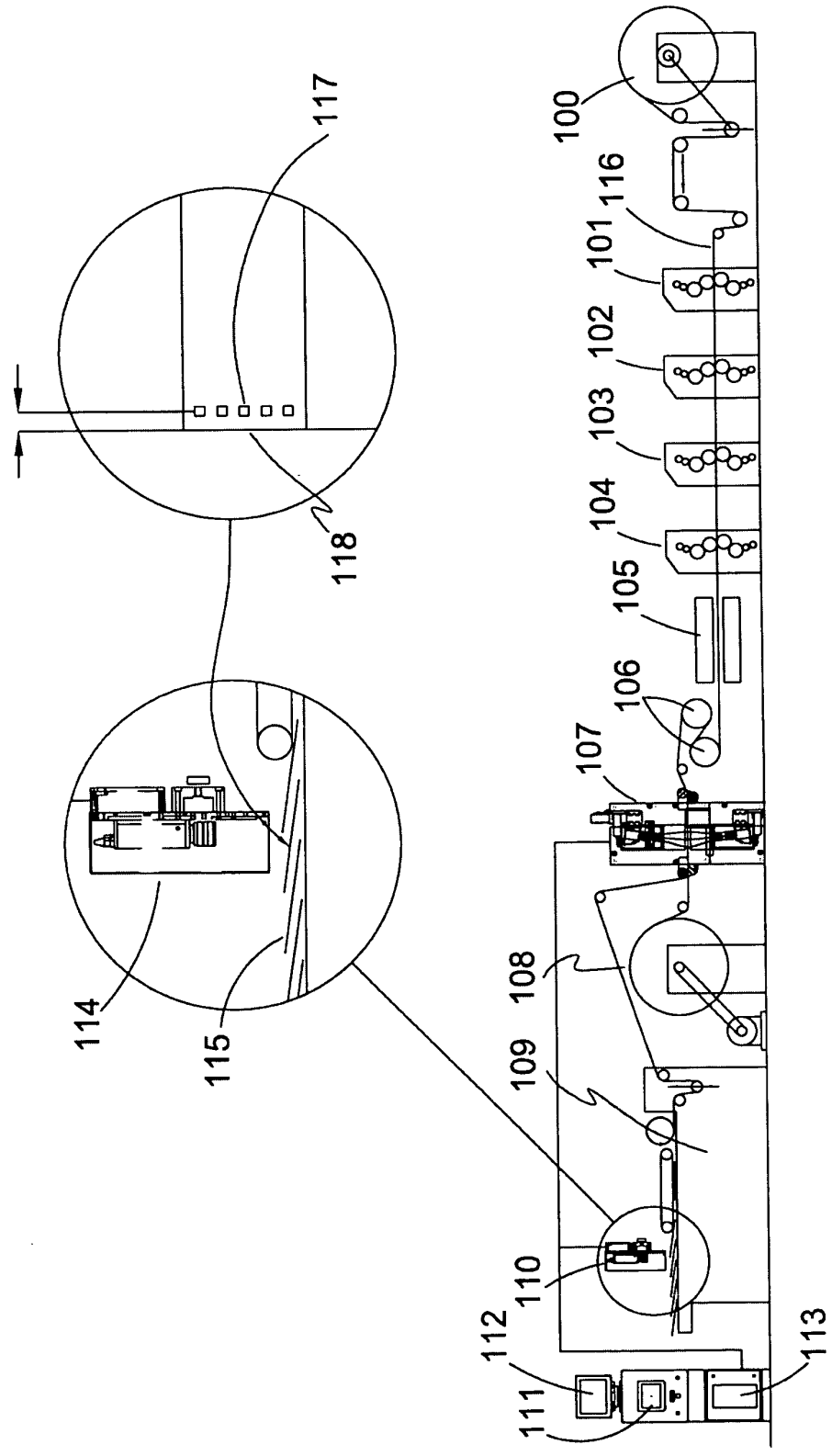


FIG. 2

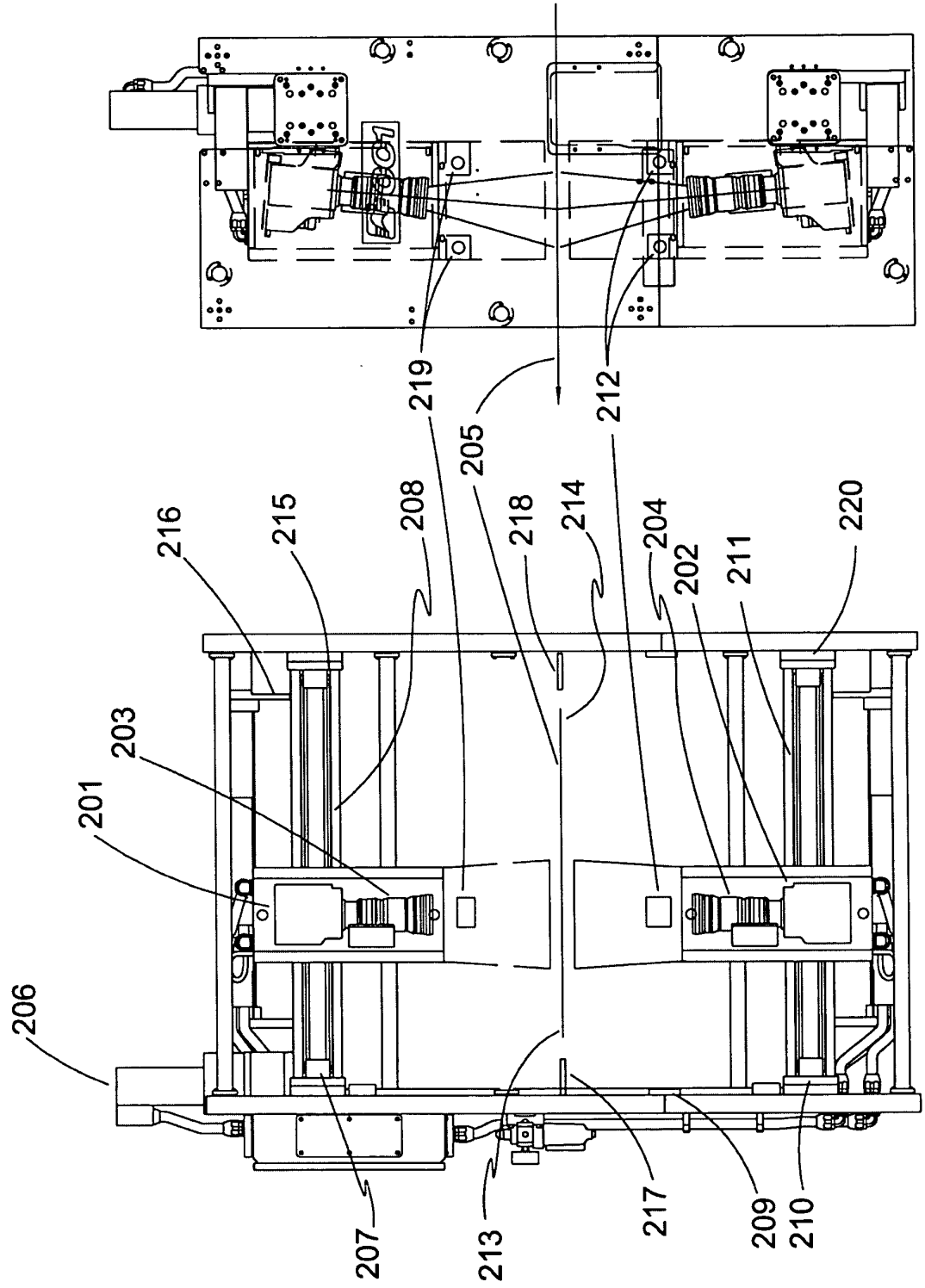


FIG. 3

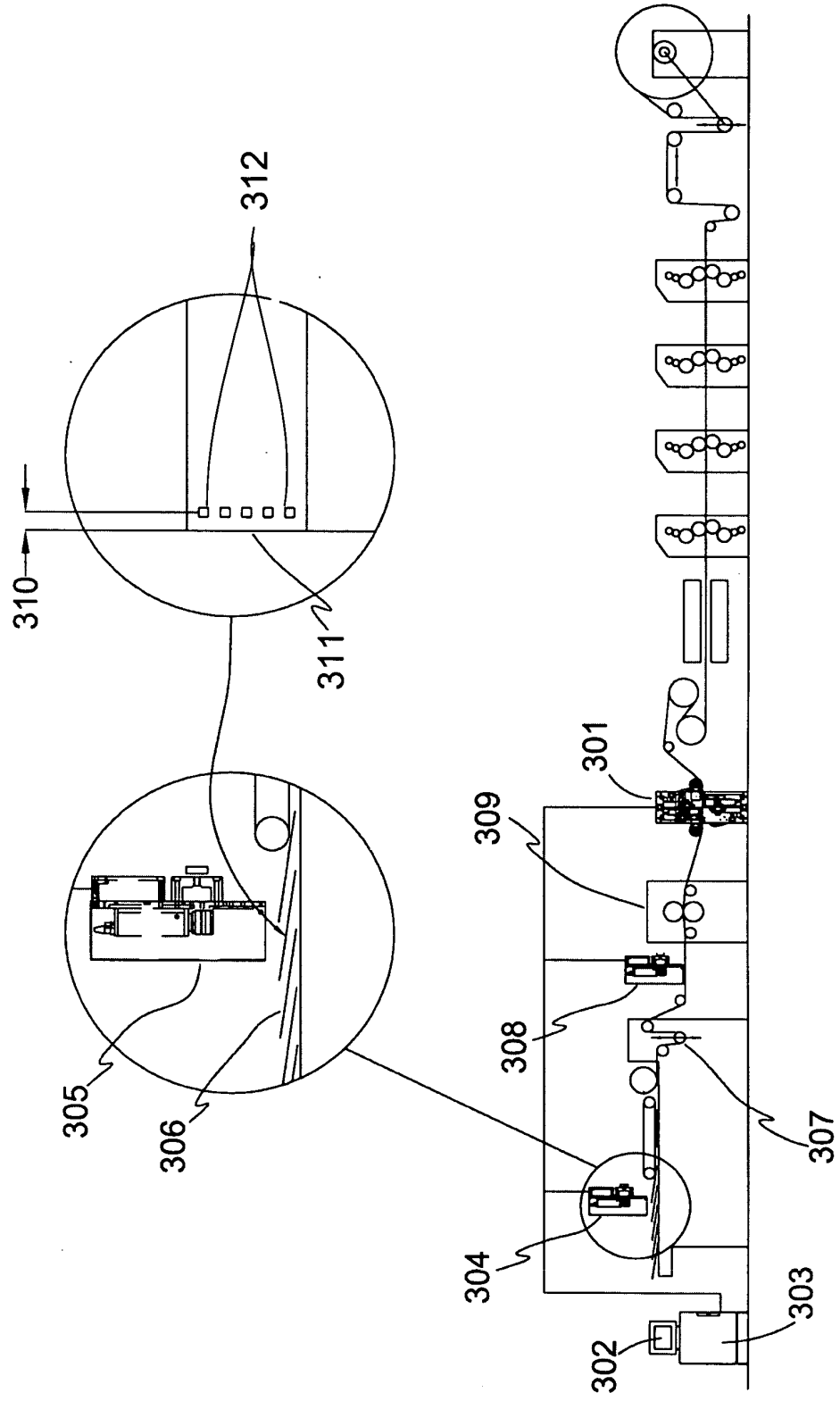


FIG. 4

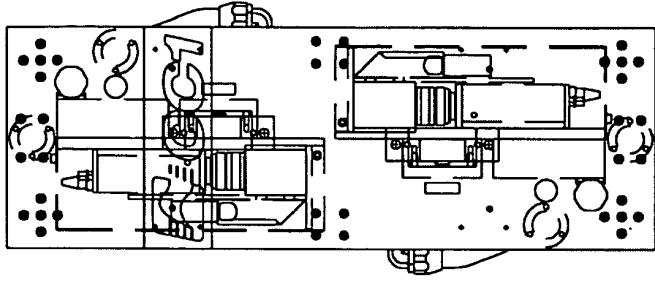
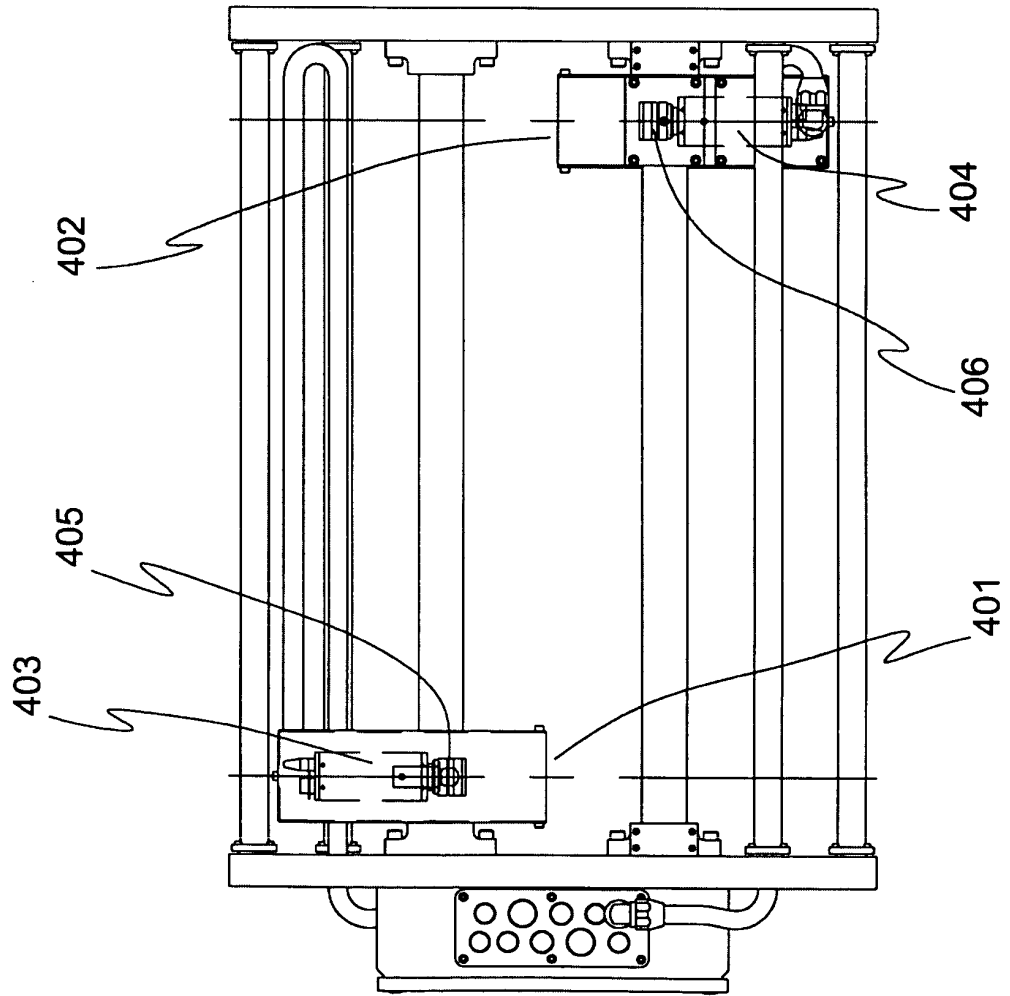


FIG. 5

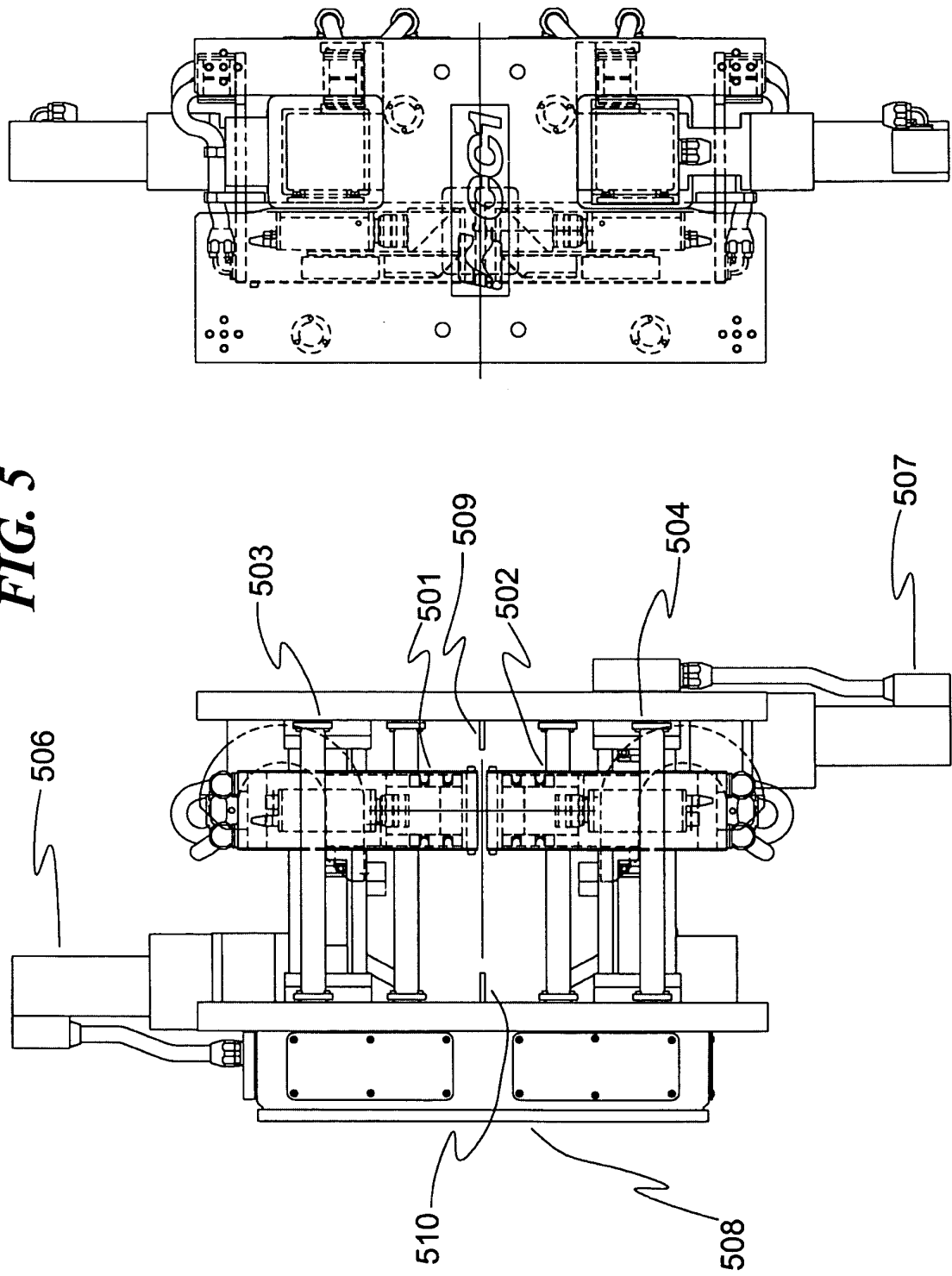


FIG. 6

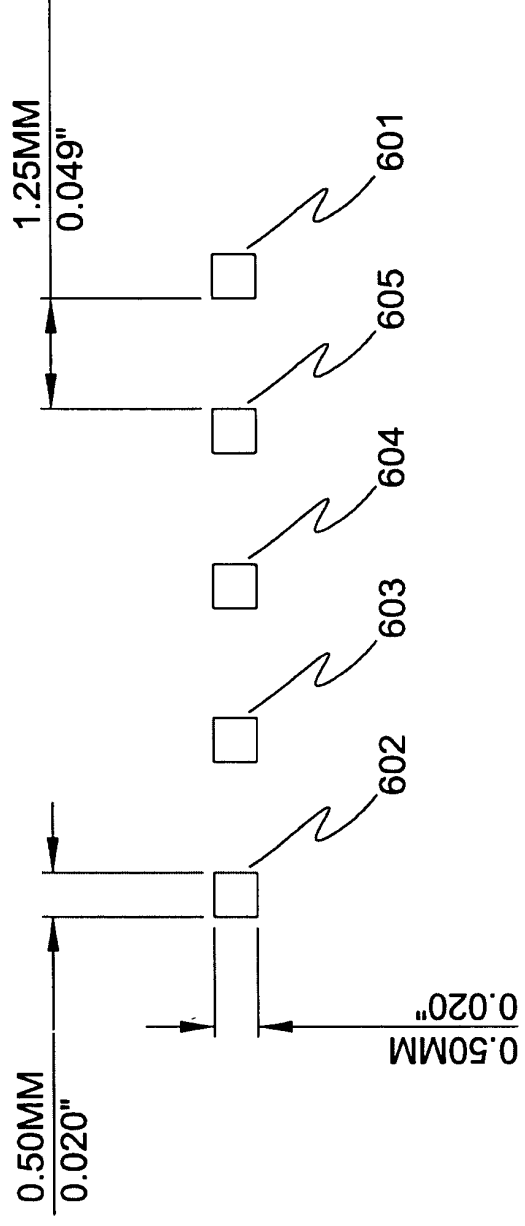


FIG. 7

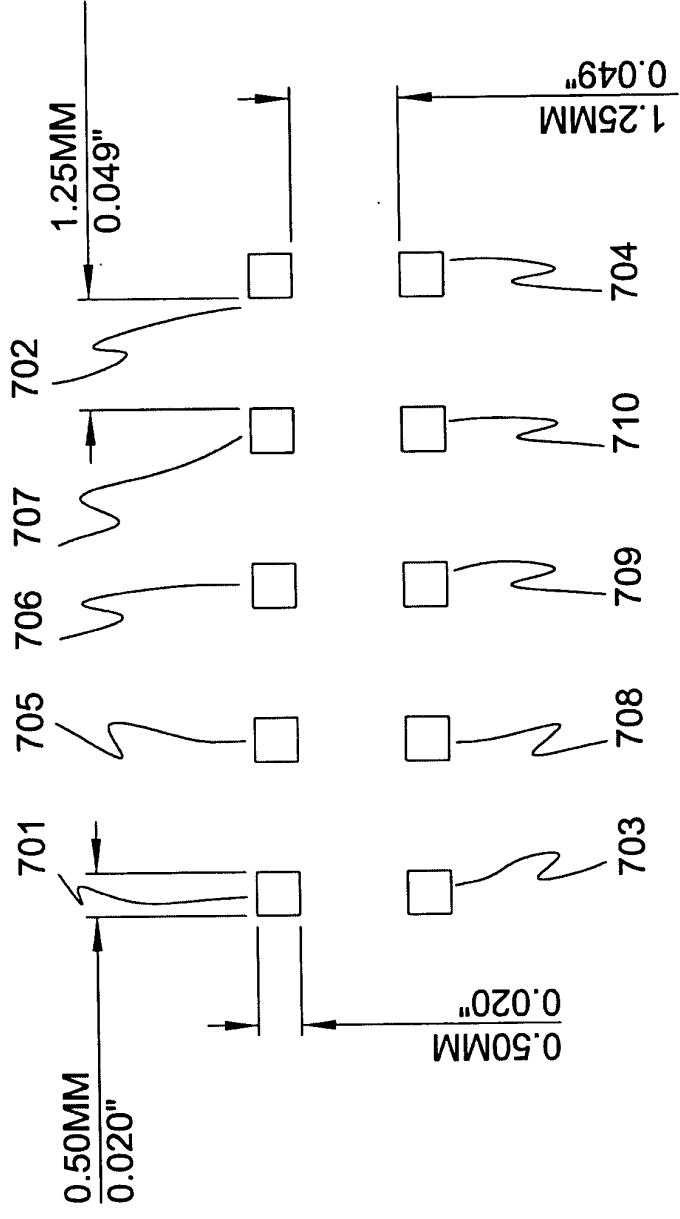


FIG. 8

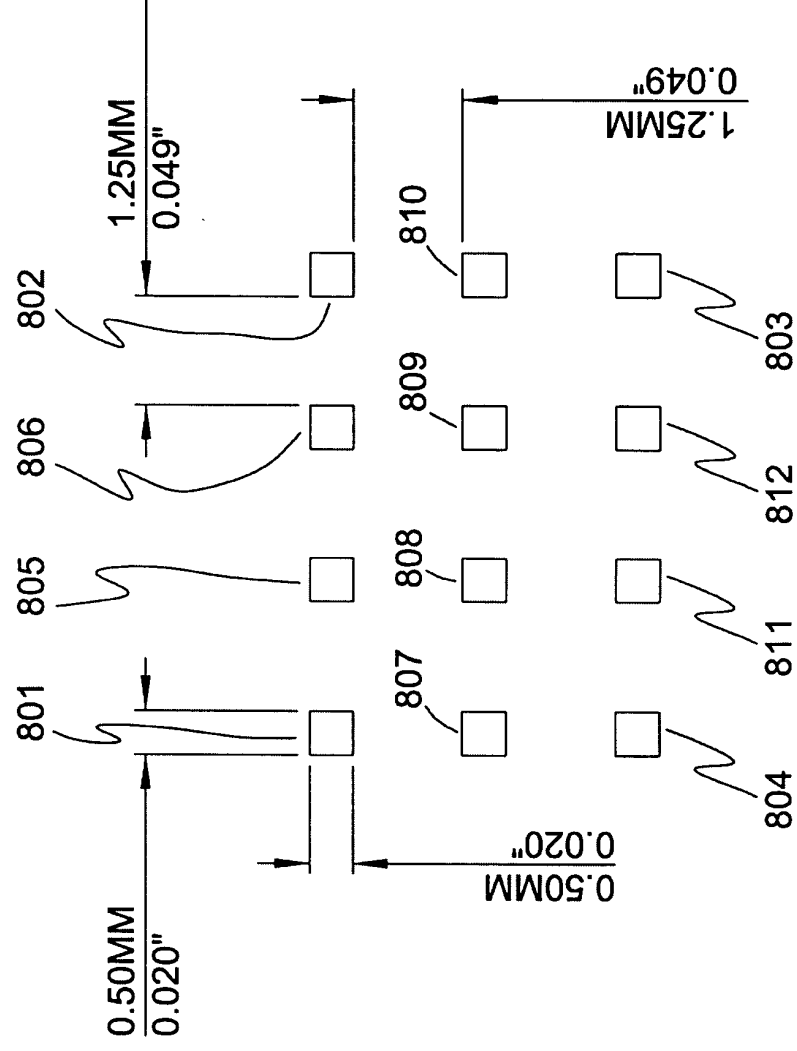


FIG. 9

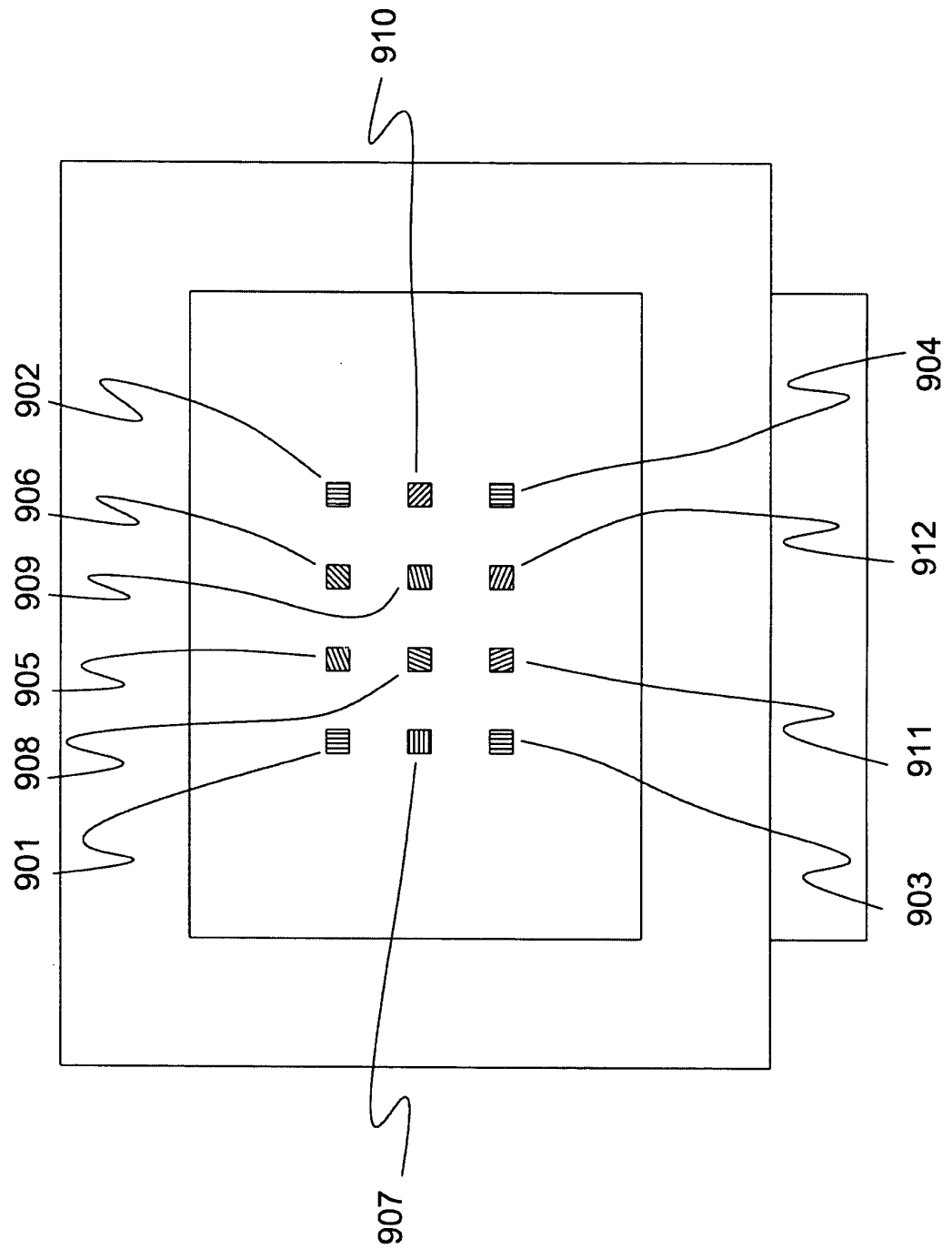


FIG. 10

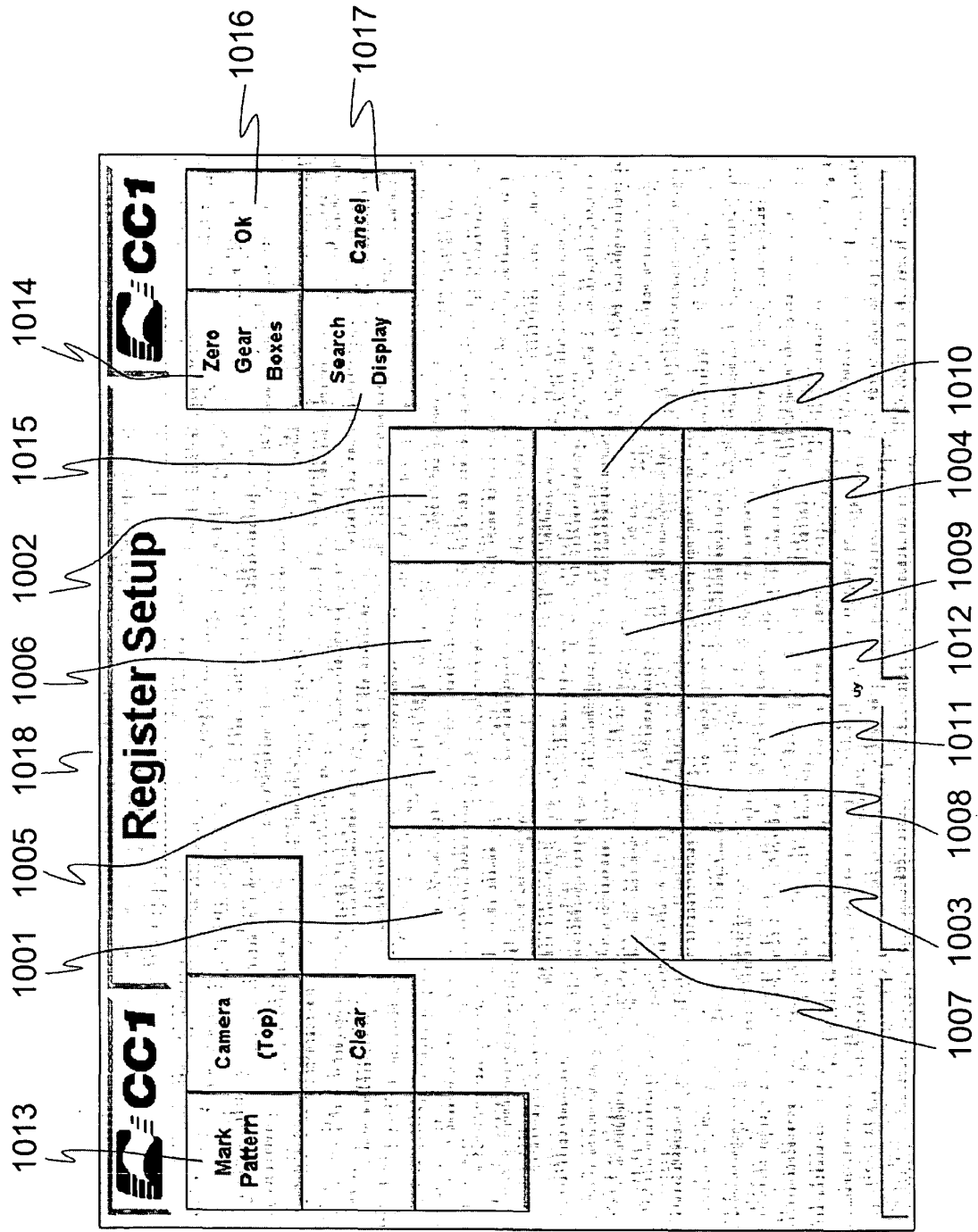




FIG. 11



Register Setup



Zero
Gear
Boxes

Search
Display

Ok

Cancel

<div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;"> Camera Mark Pattern </div> <div style="border: 1px solid black; padding: 5px;"> Clear </div>	
---	--

--	--	--	--

Camera
Mark
Pattern

Clear

--	--	--	--

FIG. 12

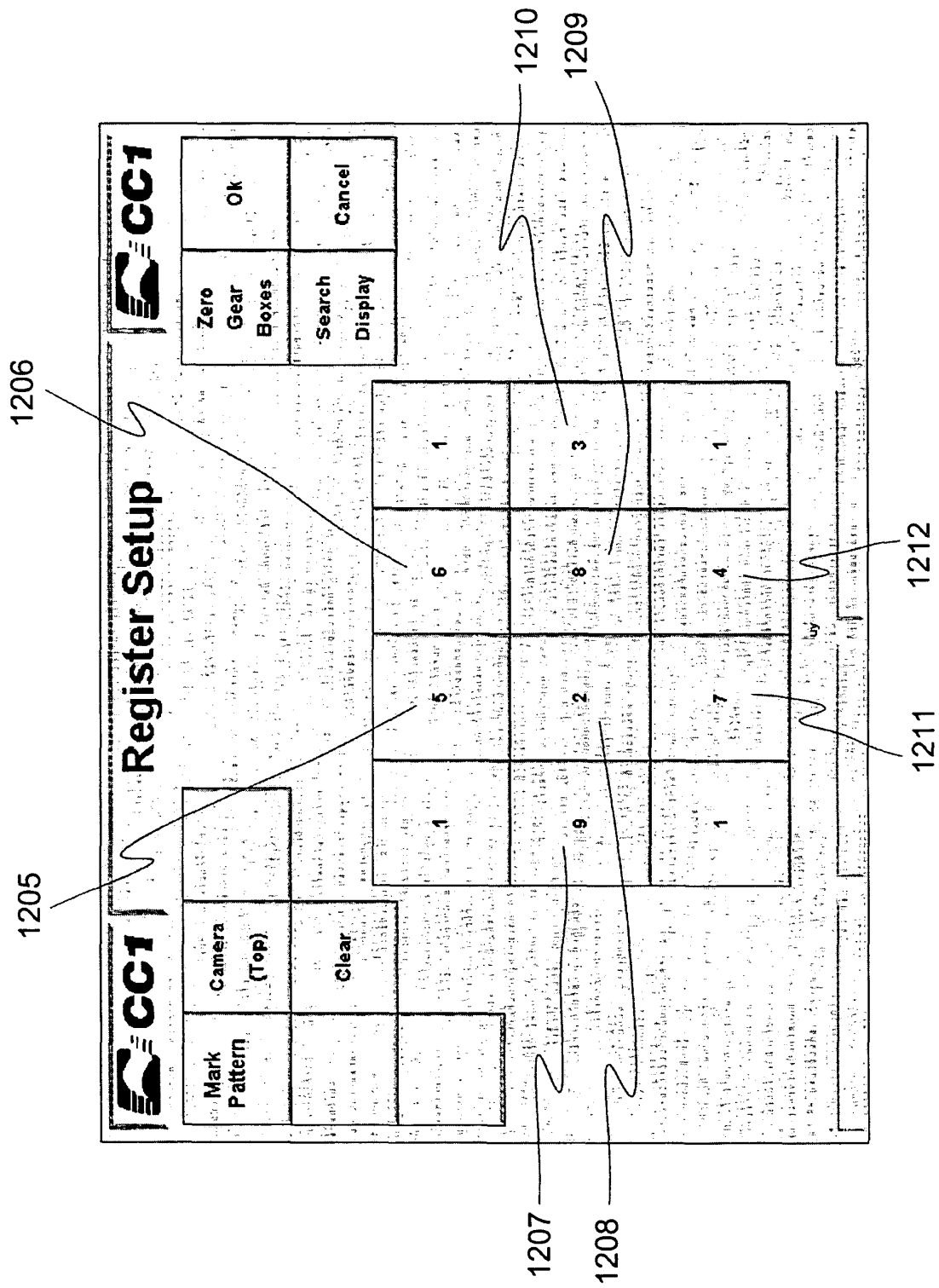


FIG. 13

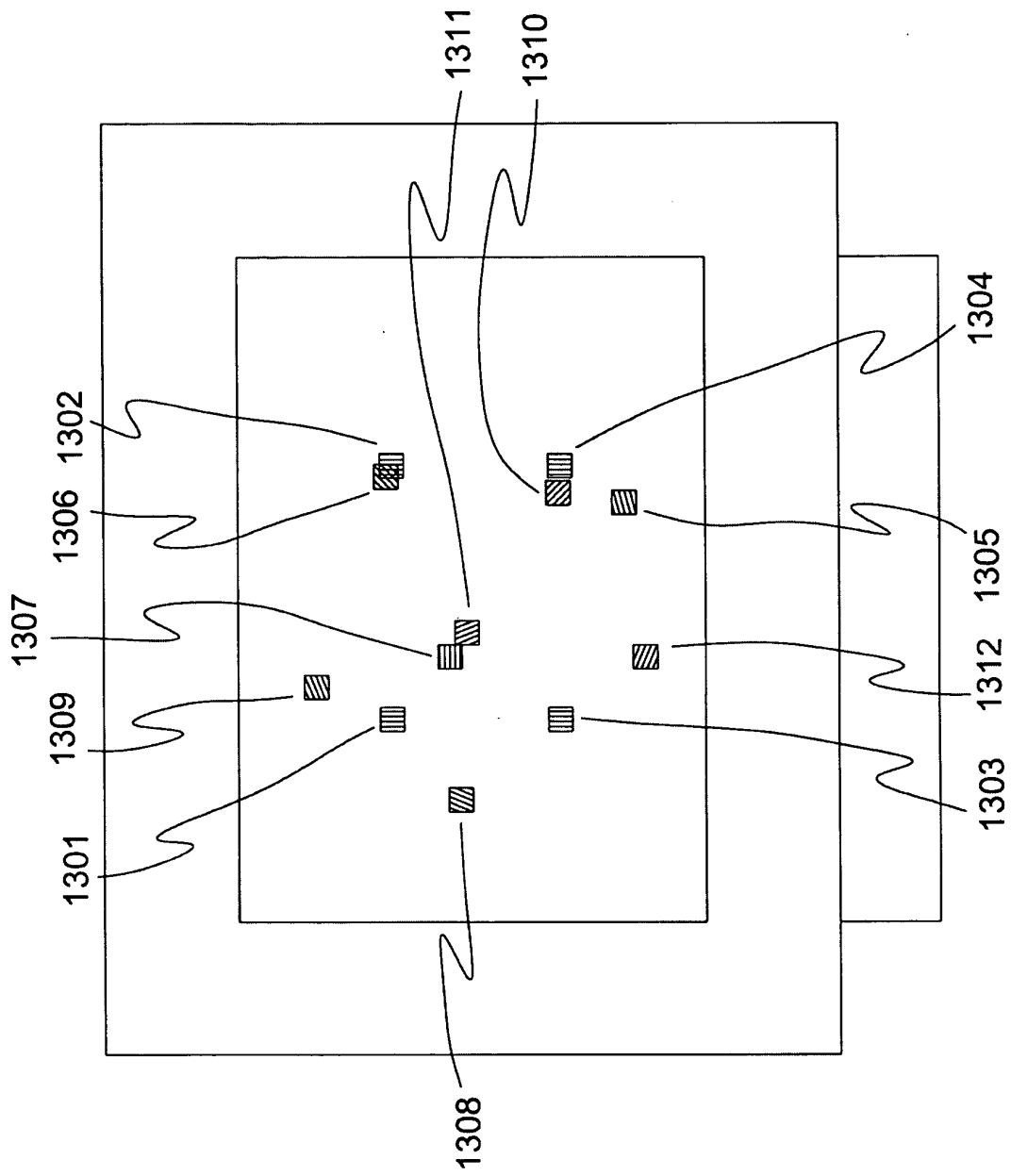


FIG. 14

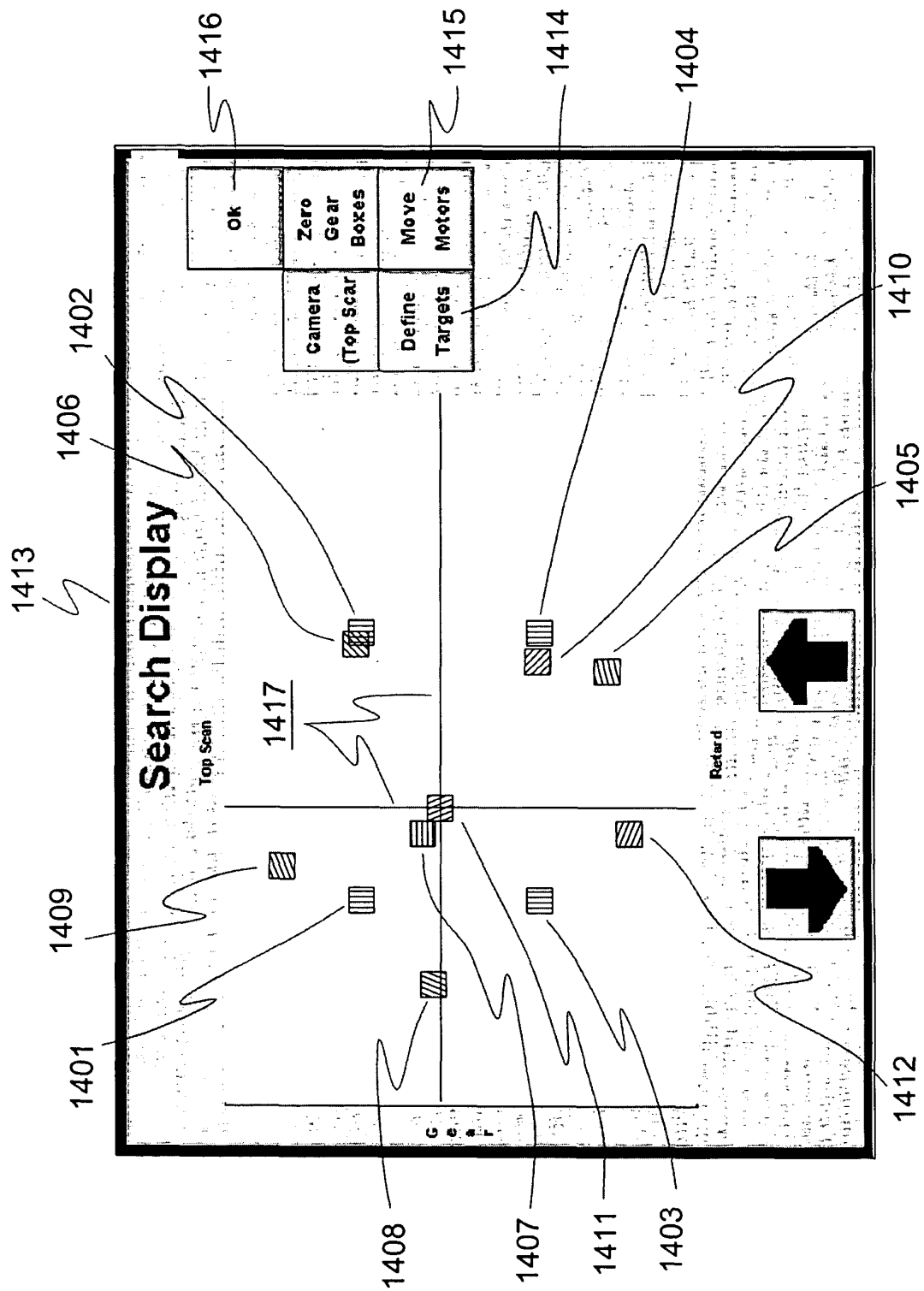
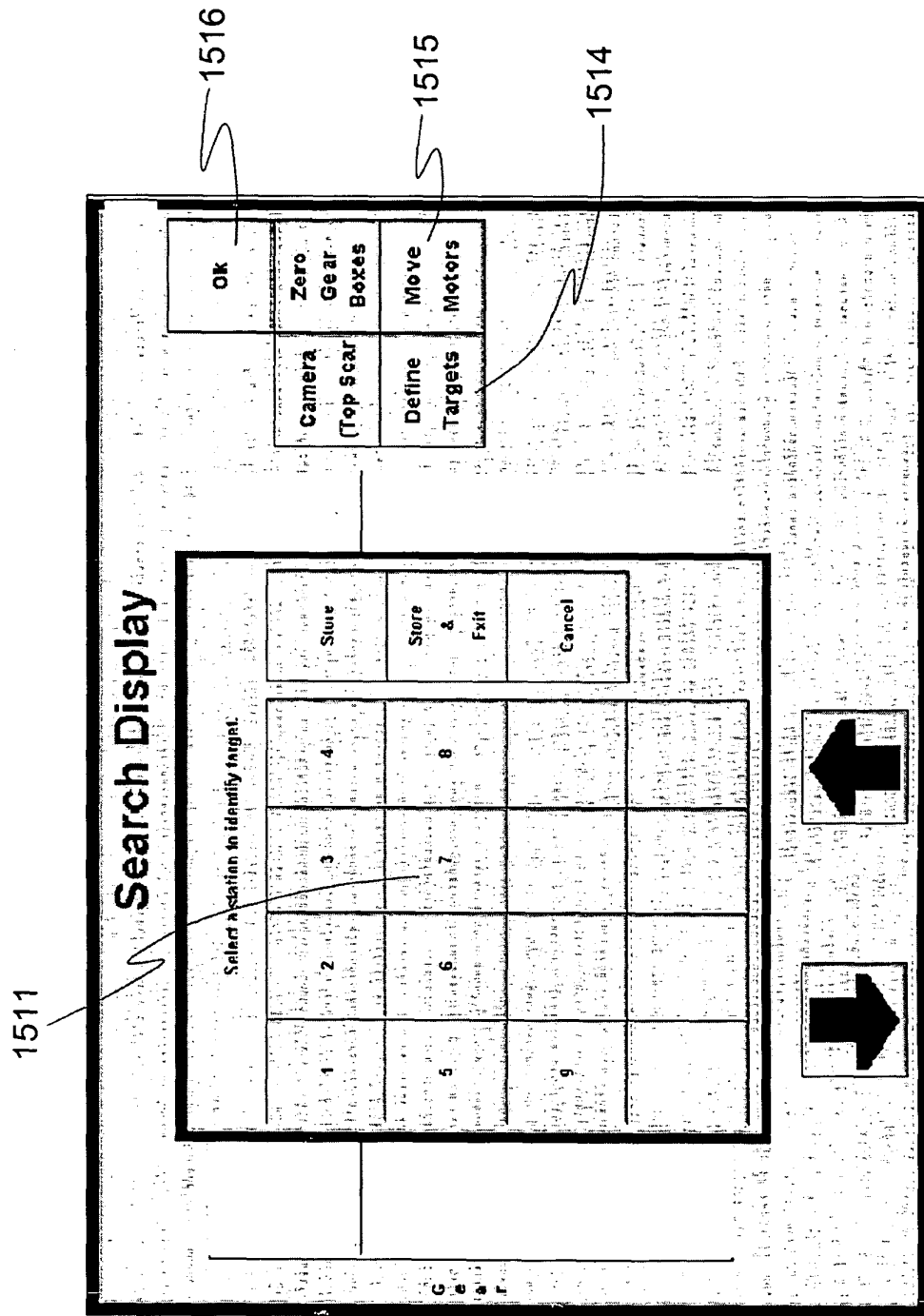


FIG. 15



1604 1605 1602 1603

FIG. 16

1601

Move Motors

1607

1606

Target ListBox

Target Desc	Camera	Side (in)	Running (in)	Rotation (degrees)	Teeth (in)	Yellow (in)	Yellow (in)
1	Top	0.000	0.000	0	0	0.125	0.125
2	Top	-0.166	-0.074	0	1	0.125	0.125
3	Top	0.084	0.049	0	1	0.125	0.125
4	Top	0.051	-0.082	0	2	0.125	0.125
5	Top	0.036	0.004	0	0	0.125	0.125
6	Top	0.045	0.004	0	0	0.125	0.125
7	Top	0.025	-0.086	0	2	0.125	0.125
8	Top	0.048	-0.034	0	0	0.125	0.125
9	Top	0.059	-0.038	0	1	0.125	0.125
7	Top					0.125	N/A
8	Top					0.125	N/A

Ok

Move Motors

Cancel Moving Motors

Target (°)

X Key (°)

Y Key (°)

Clear

Clear All

FIG. 17

1717

1718

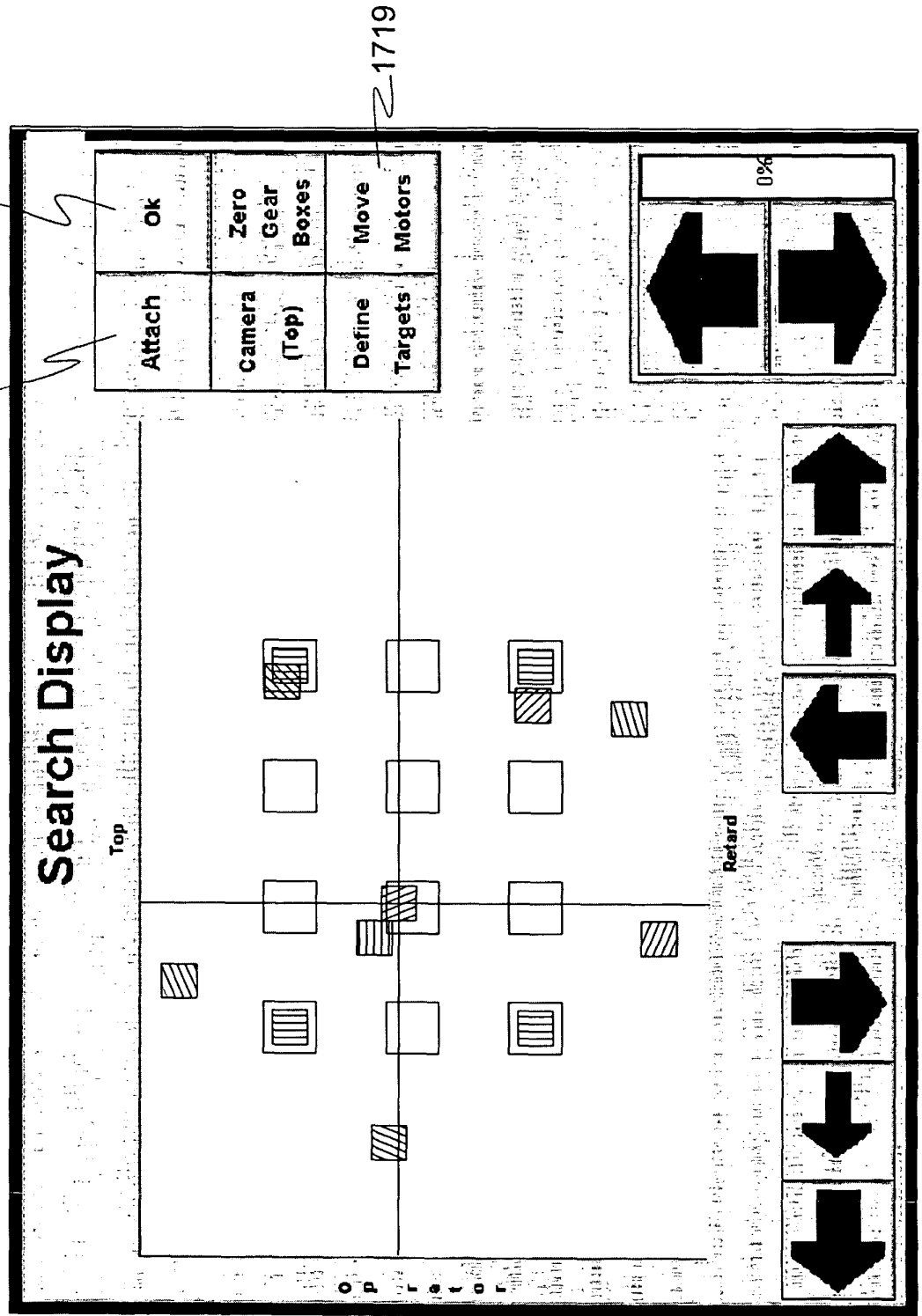


FIG. 18

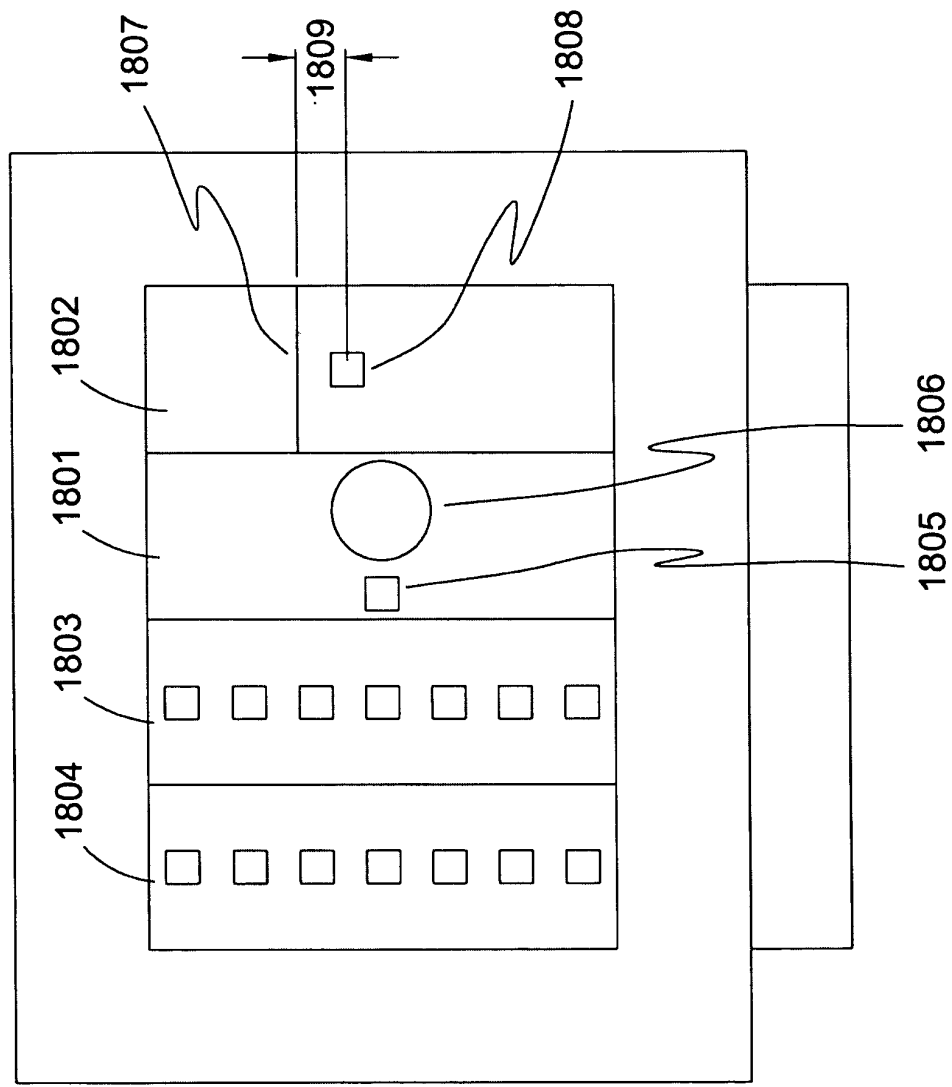


FIG. 19

Waste Savings Analysis Exemplary Newspaper Application 1900		
Customer Information		
Description		Value
<u>1901</u>	Circulation	50000
<u>1902</u>	Width (inches)	14.75
<u>1903</u>	Length (inches)	11.375
<u>1904</u>	Paper Pages Across Web Width	2
<u>1905</u>	Paper Pages Around Circumference	4
<u>1906</u>	# of Paper Pages/Cylinder Revolution	8
<u>1907</u>	Newsprint Cost (US\$/Pound)	US\$ 0.25
<u>1908</u>	Paper Weight (Pounds/Ream)	30
<u>1909</u>	Ink Cost (Percent of Paper Cost)	10%
<u>1910</u>	Make Ready Count / Day On Edition	3
<u>1911</u>	Days per Week	6
<u>1912</u>	Specials per Week	5
<u>1913</u>	Number of Paper Pages per Newspaper	36
<u>1914</u>	Savings (Papers / Make Ready)	1000
Calculations		
<u>1915</u>	Number of Webs	4.5
<u>1916</u>	Square Feet of Paper per Newspaper	41.95
<u>1917</u>	Weight/Paper (Pounds)	0.39
<u>1918</u>	Paper Cost per Newspaper	US\$ 0.098
<u>1919</u>	Ink Cost per Newspaper	US\$ 0.010
<u>1920</u>	Total Cost (per Newspaper)	US\$ 0.108
<u>1921</u>	Cost per 1000 Papers	US\$ 108.14
<u>1922</u>	Make Ready (per Week)	23
<u>1923</u>	Savings per Week (Number of Papers)	23000
<u>1924</u>	Savings per Week (Tons of Newsprint)	4.5
<u>1925</u>	Savings per Year (Tons of Newsprint)	235
<u>1926</u>	Savings per Week (US\$ paper & ink only)	US\$ 2487
<u>1927</u>	Savings per Year (total US\$)	US\$ 129,336

FIG. 20

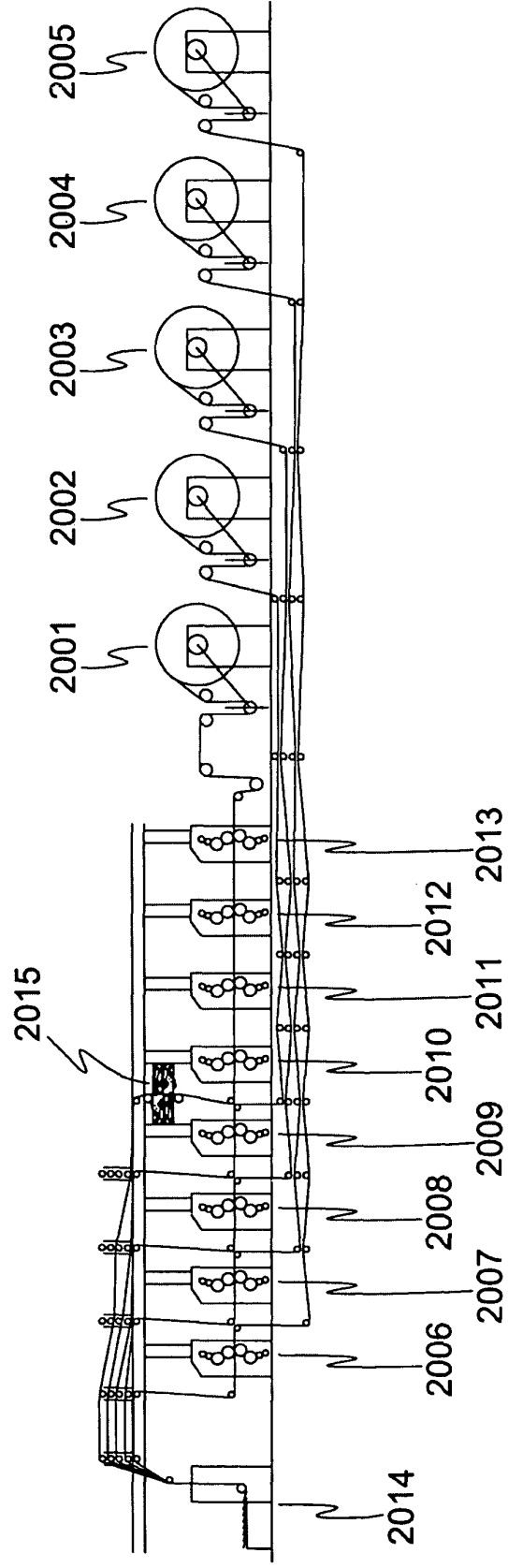


FIG. 21

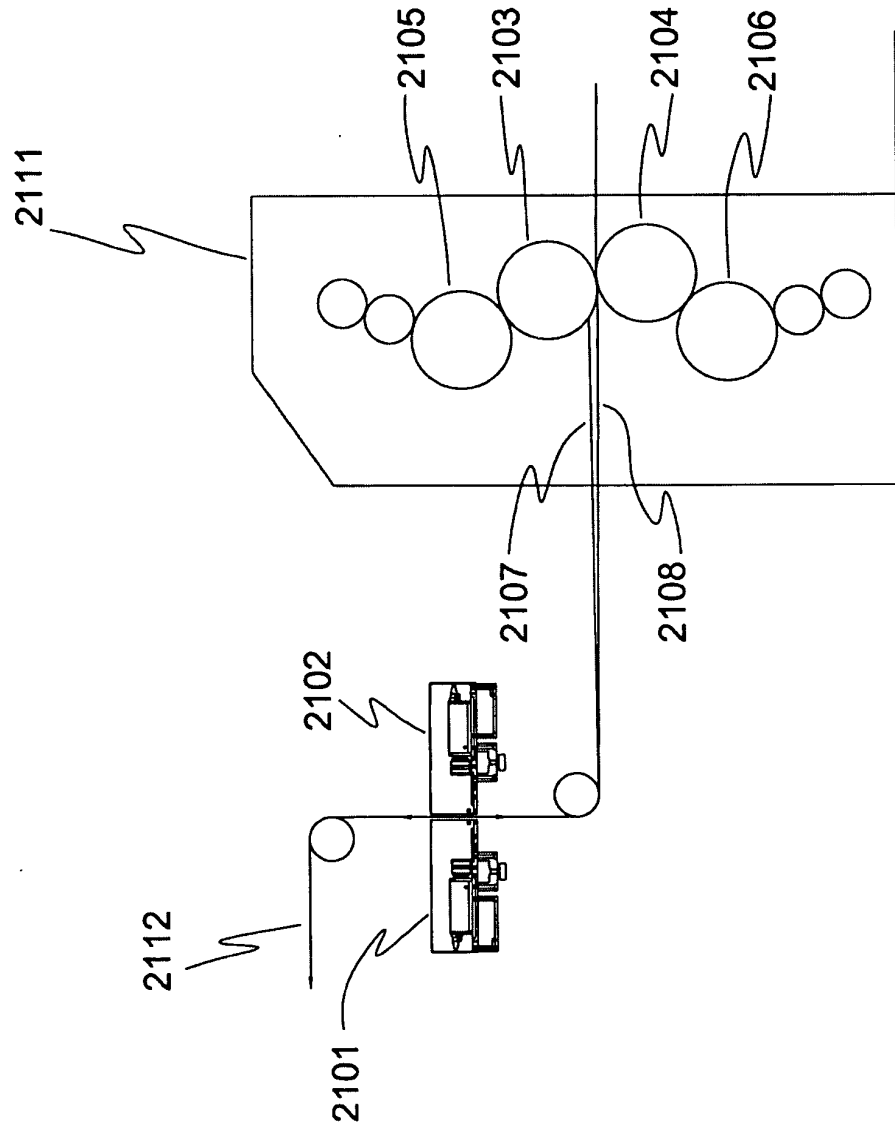


FIG. 22

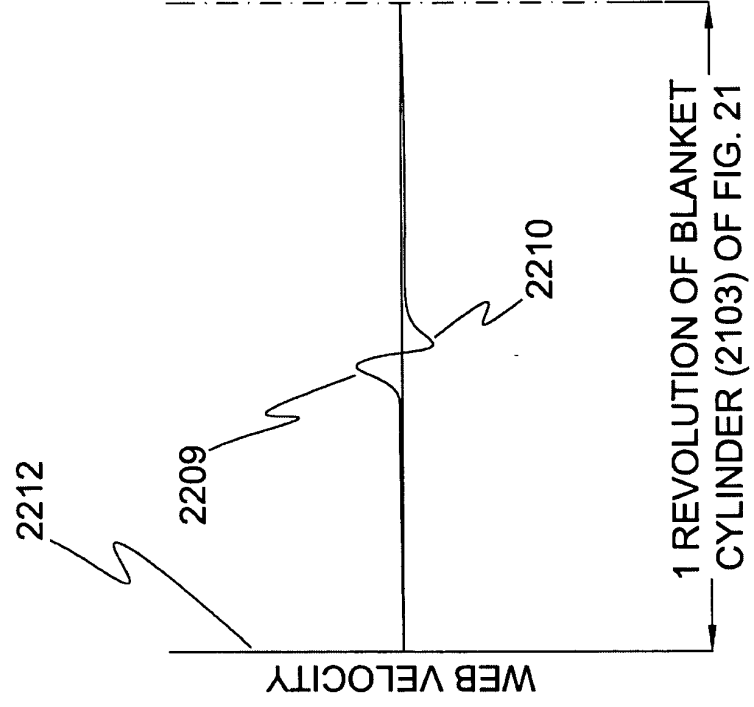


FIG. 23

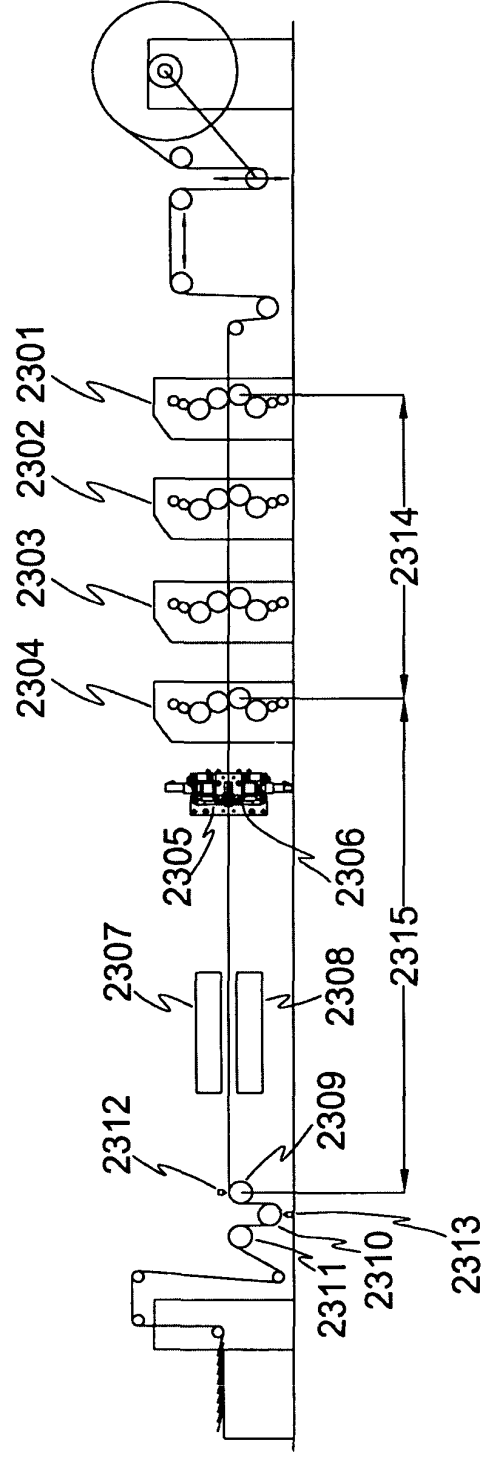


FIG. 24

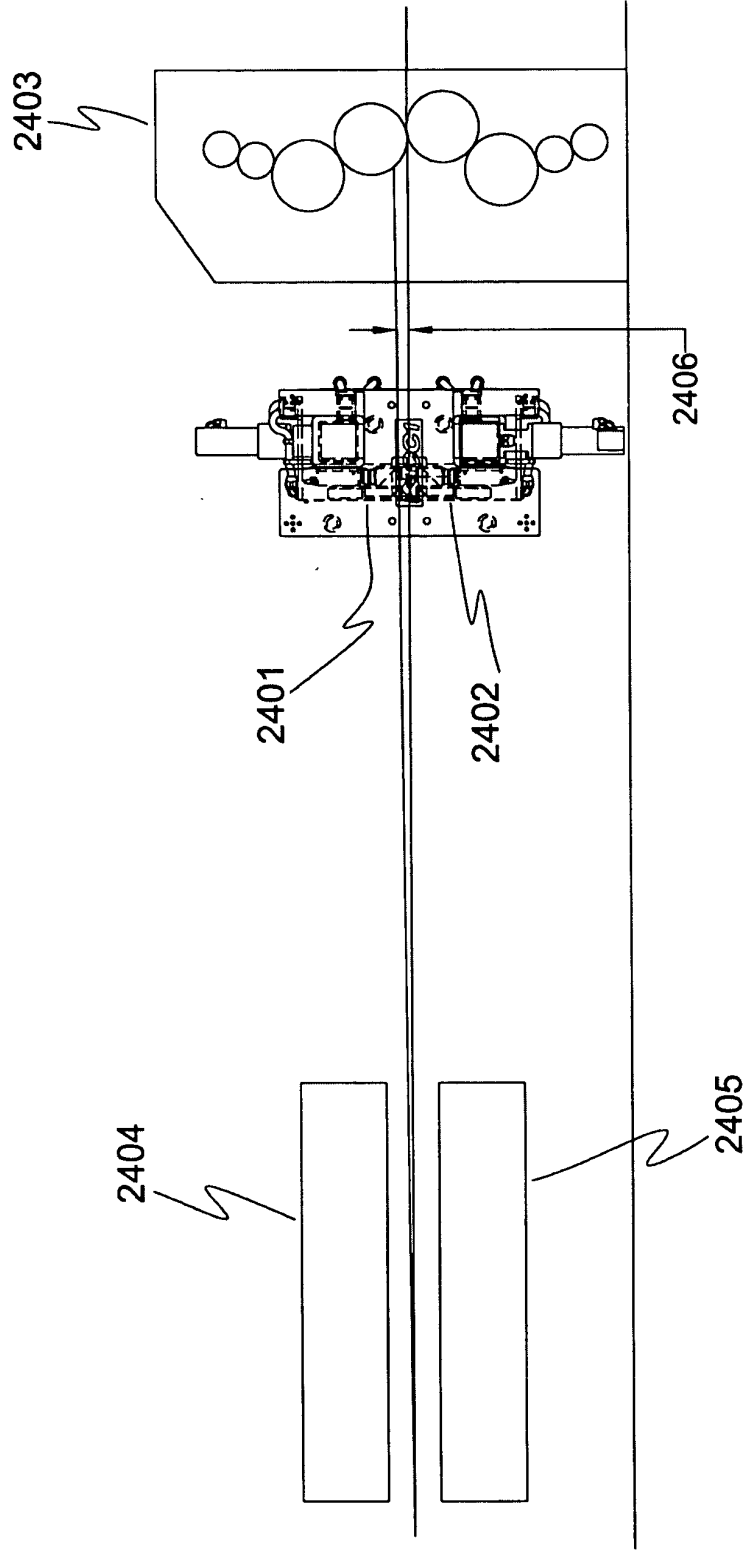
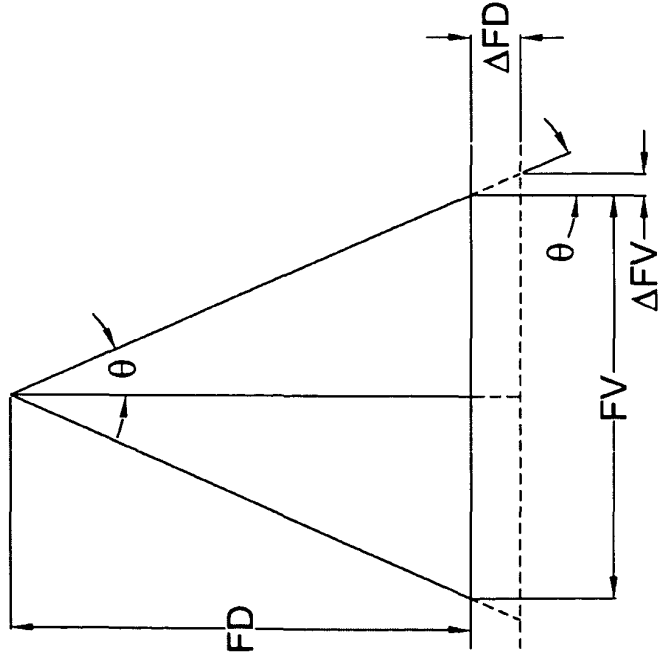


FIG. 25



- 2501 — FV = FIELD OF VIEW
- 2502 — FD = FOCAL DISTANCE
- 2503 — ΔFD = CHANGE IN FOCAL DISTANCE
- ΔFV = CHANGE IN FIELD OF VIEW
- 2504 — $\Delta FV = ((\Delta FD)(FV))/((FD)(2))$

FOR

- 2505 — $\Delta FD = 0.1"$
- 2506 — $FD = 4.0"$
- 2507 — $FV = 0.5"$
- 2508 — $\Delta FV = ((0.1)(0.5))/((4.0)(2)) = 0.00625"$

FIG. 26

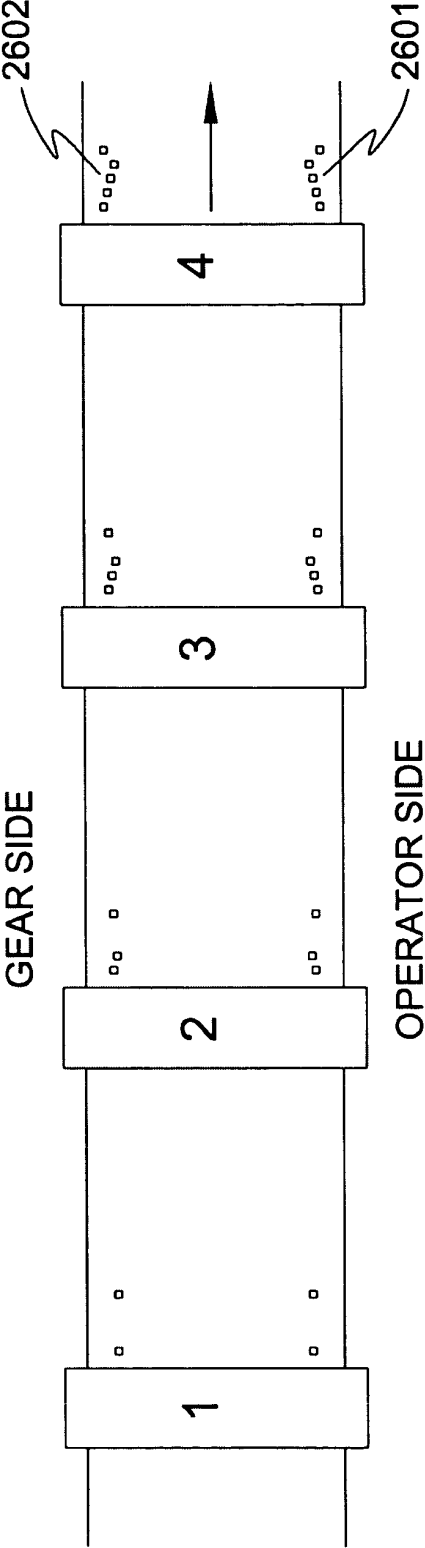


FIG. 27

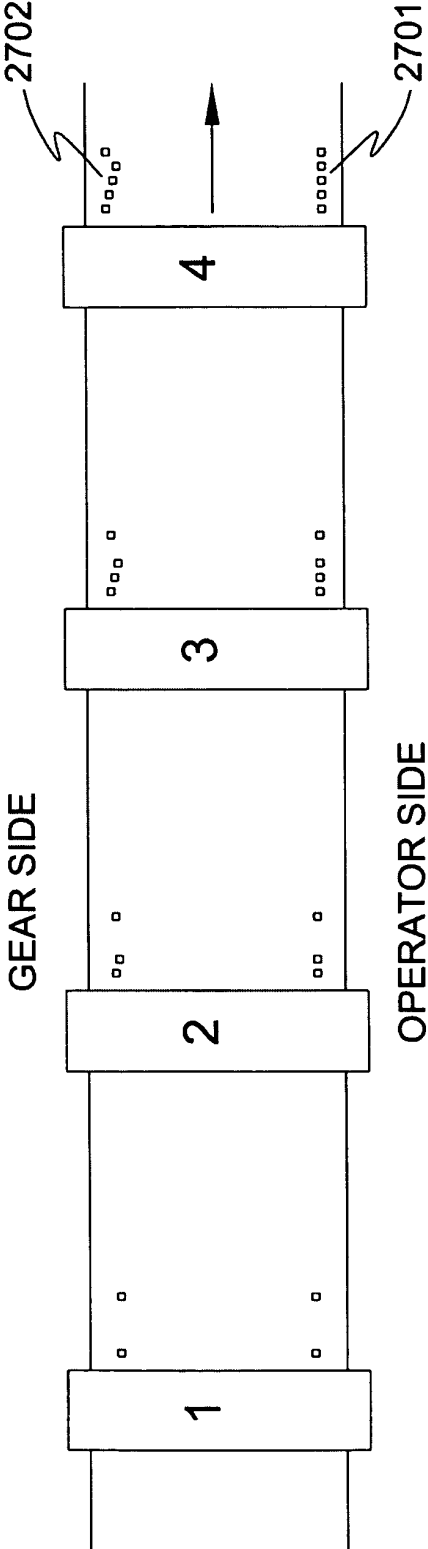


FIG. 28

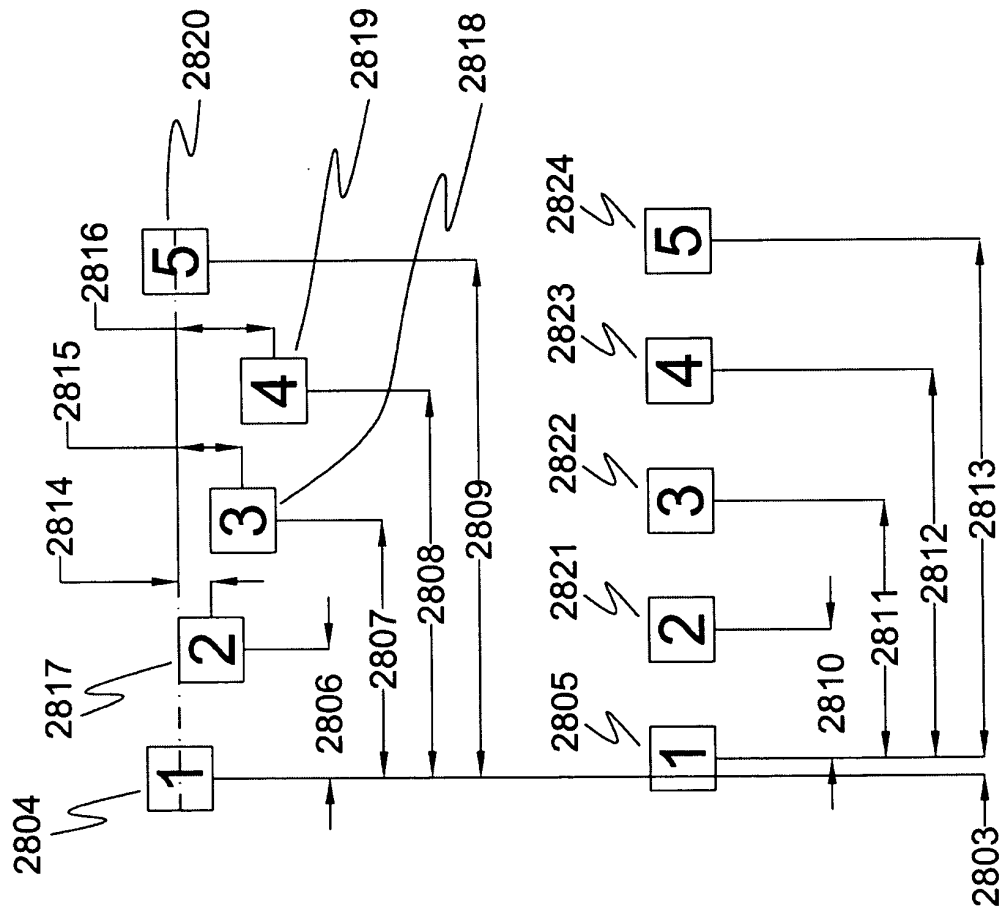


FIG. 29

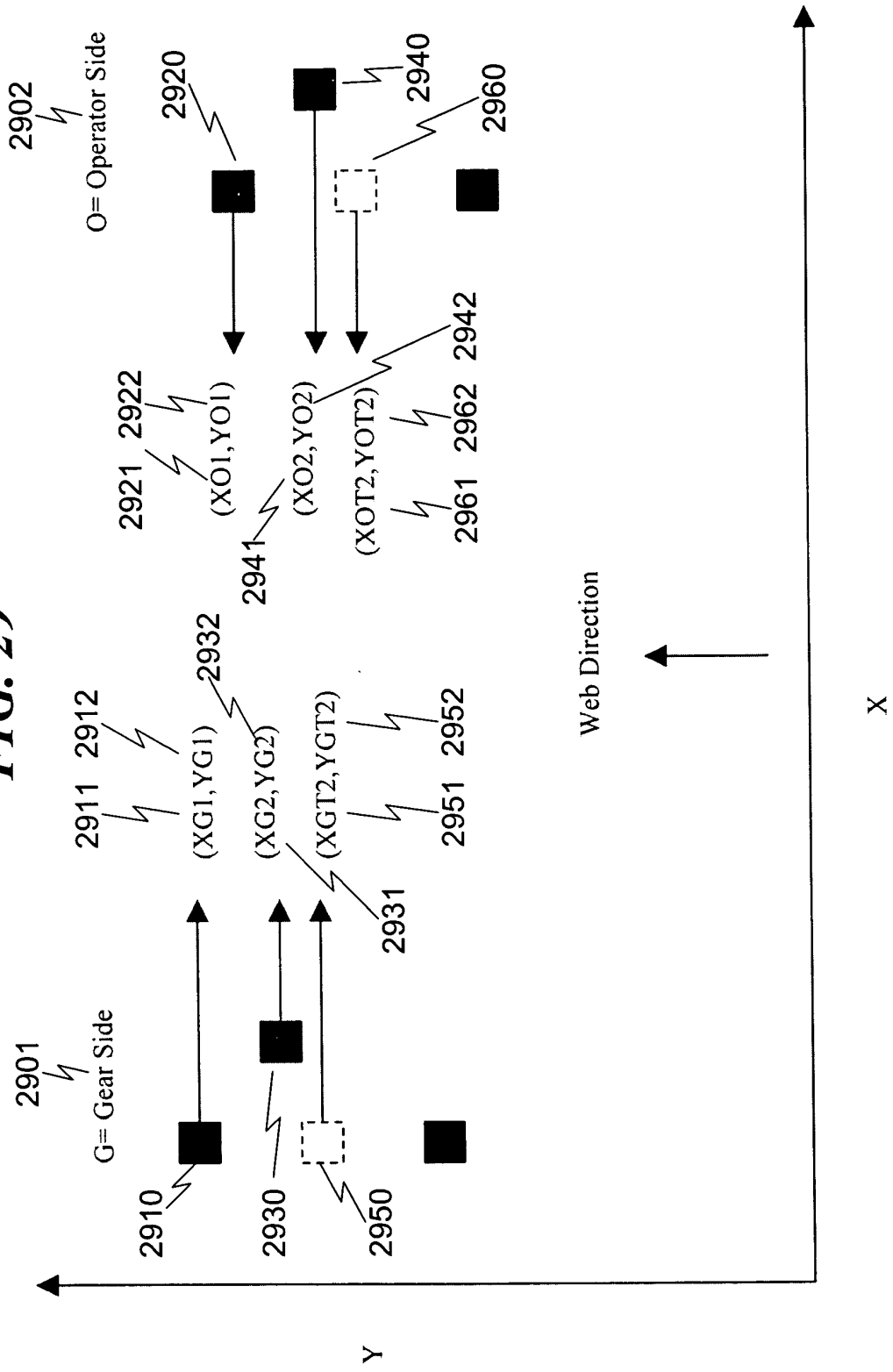


FIG. 30

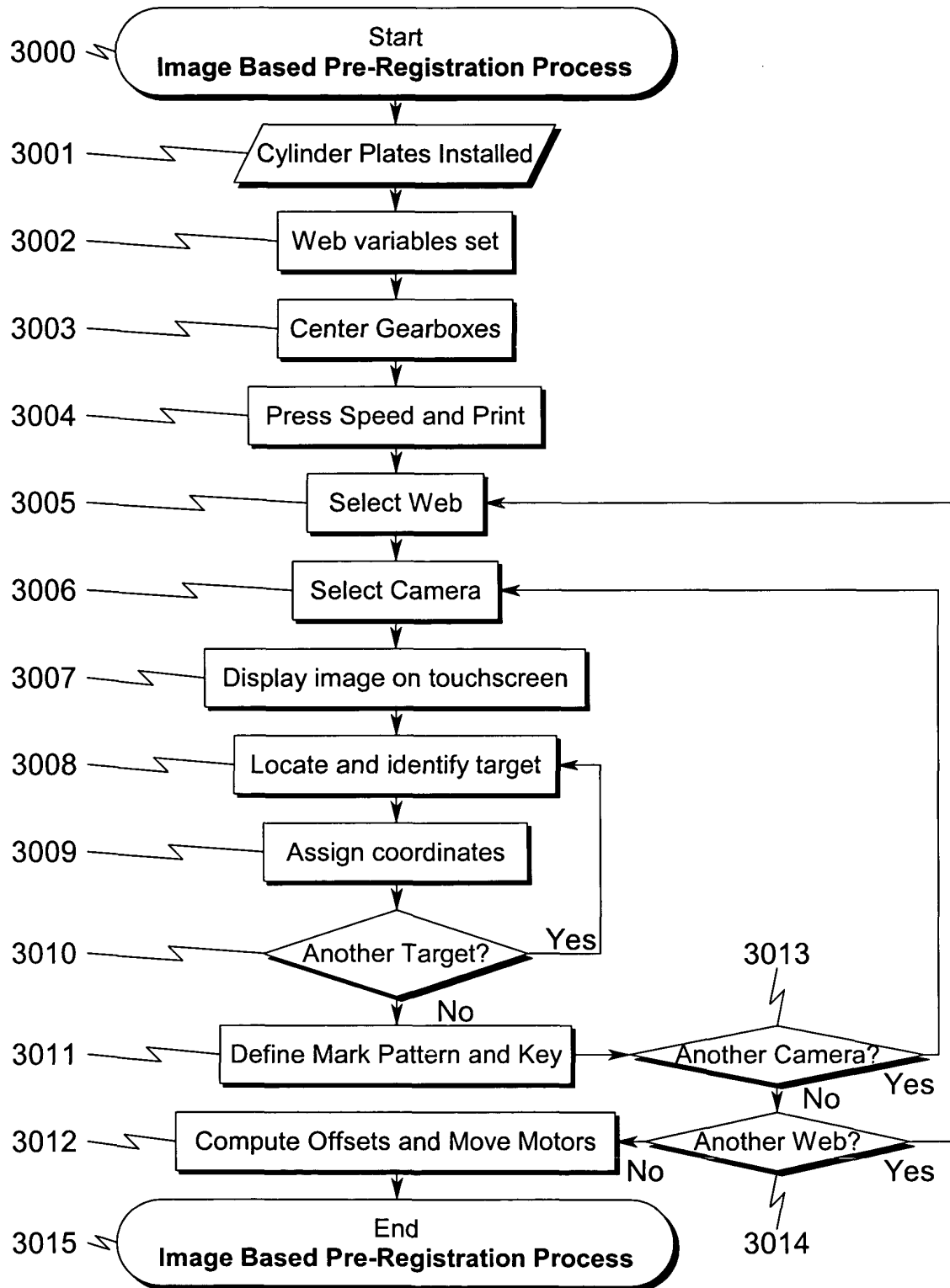


FIG. 31

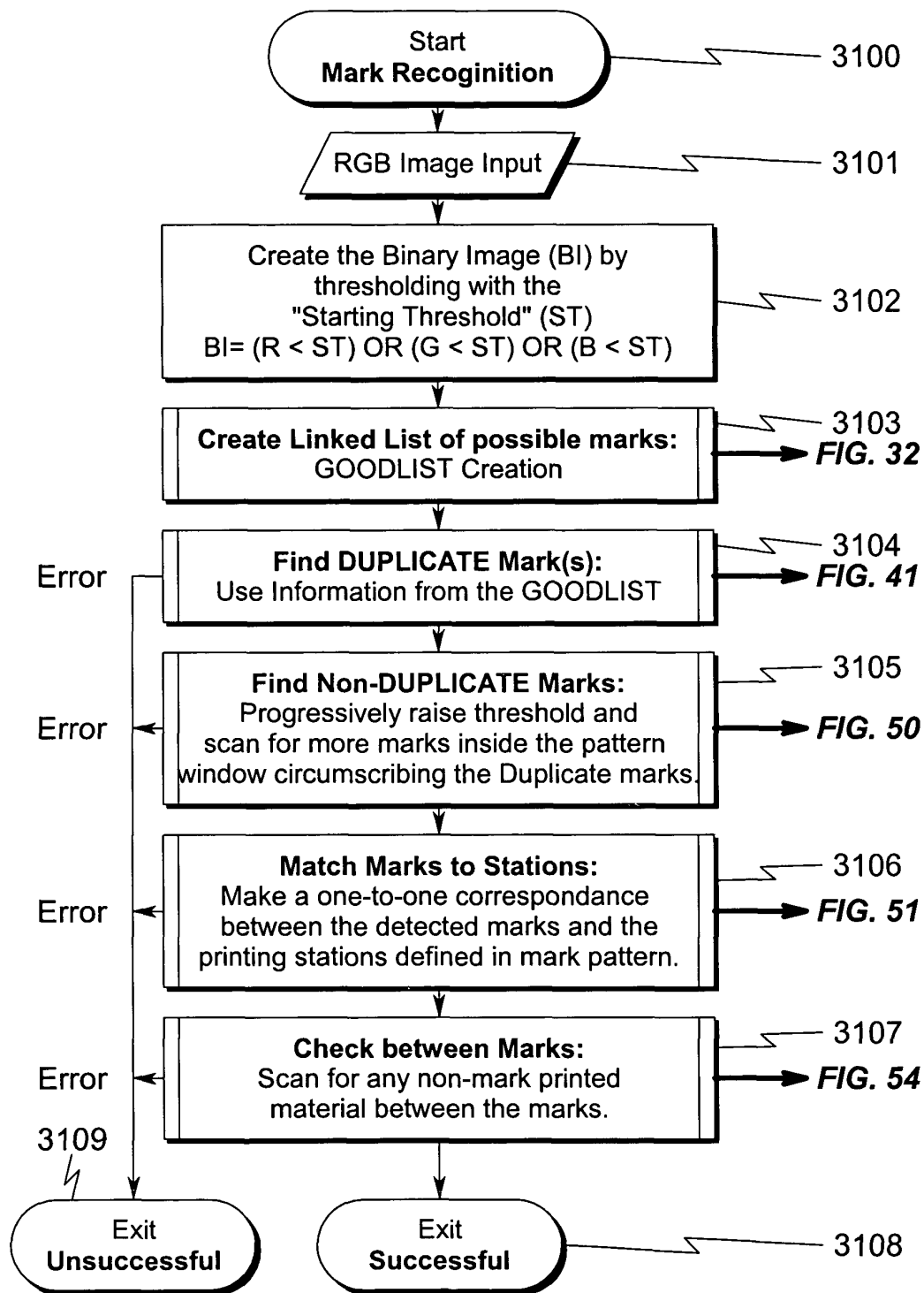


FIG. 32

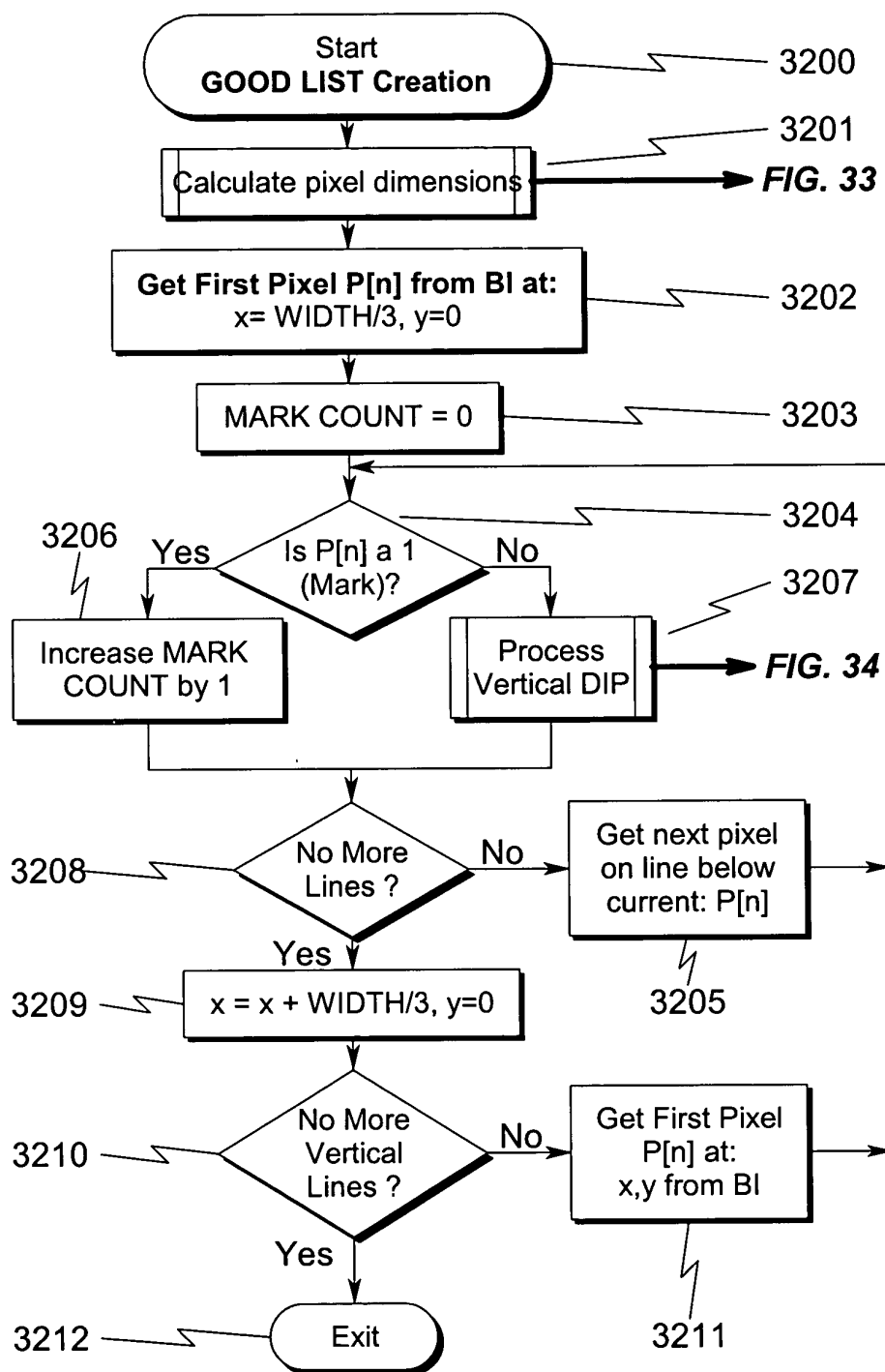


FIG. 33

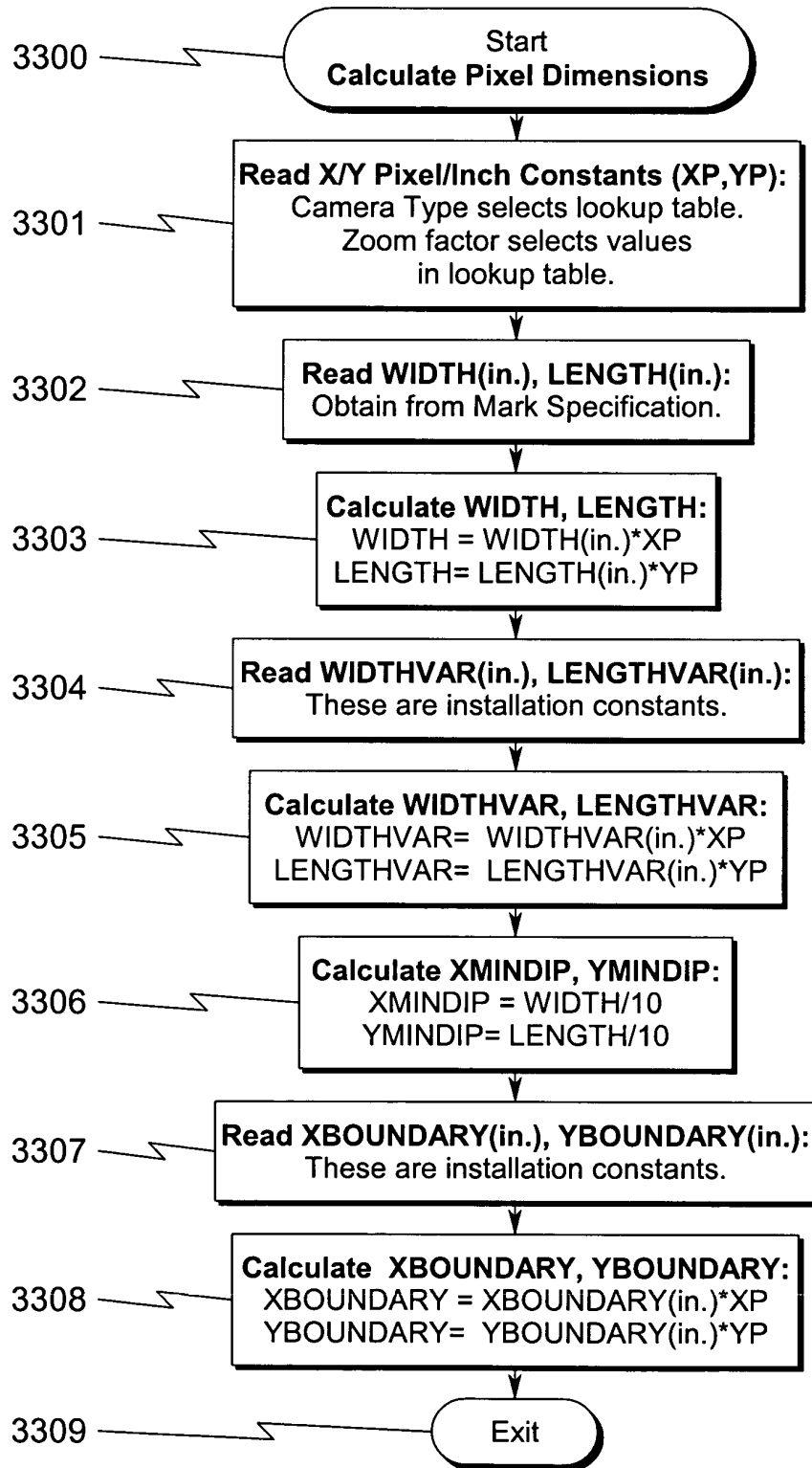


FIG. 34

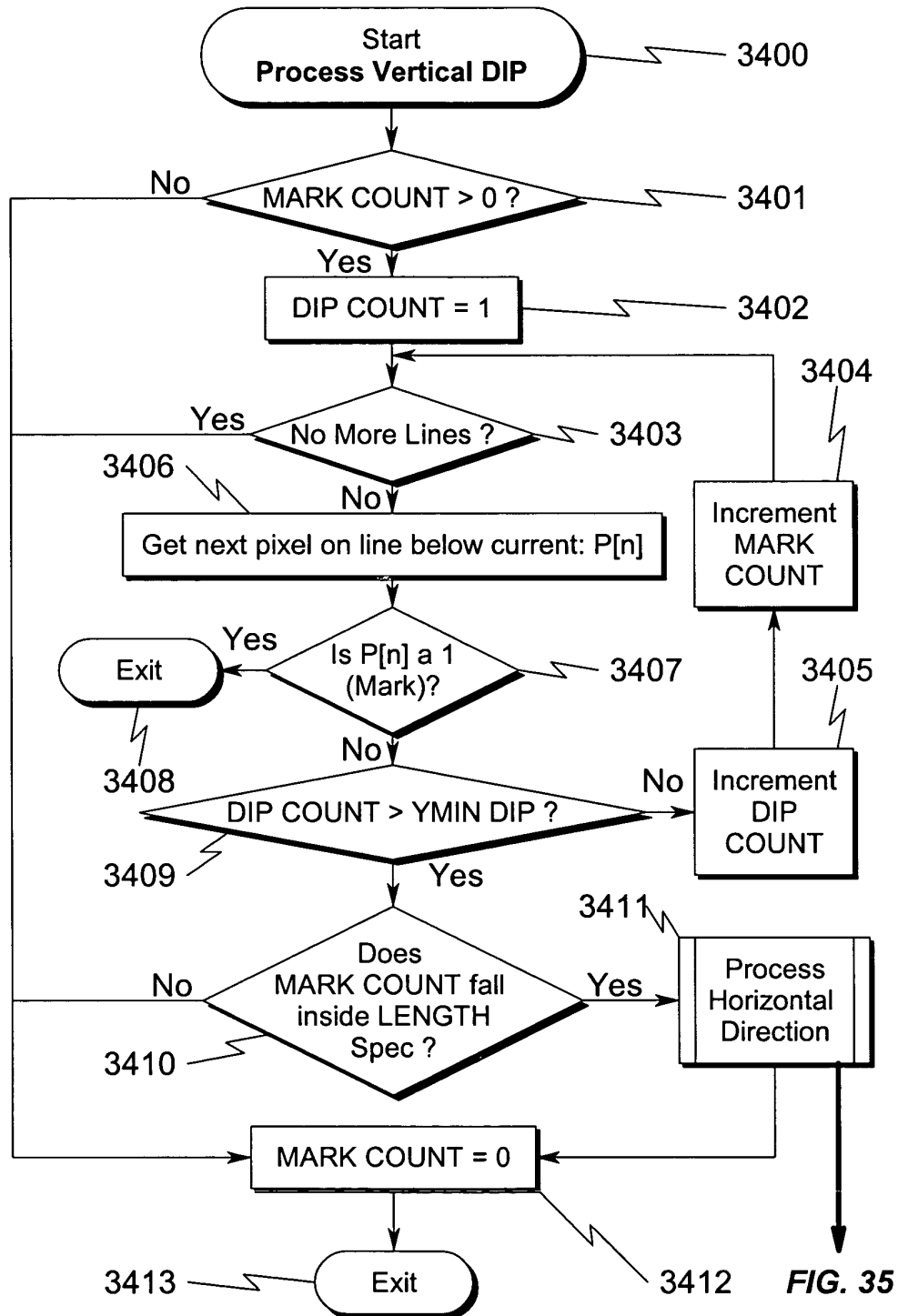


FIG. 35

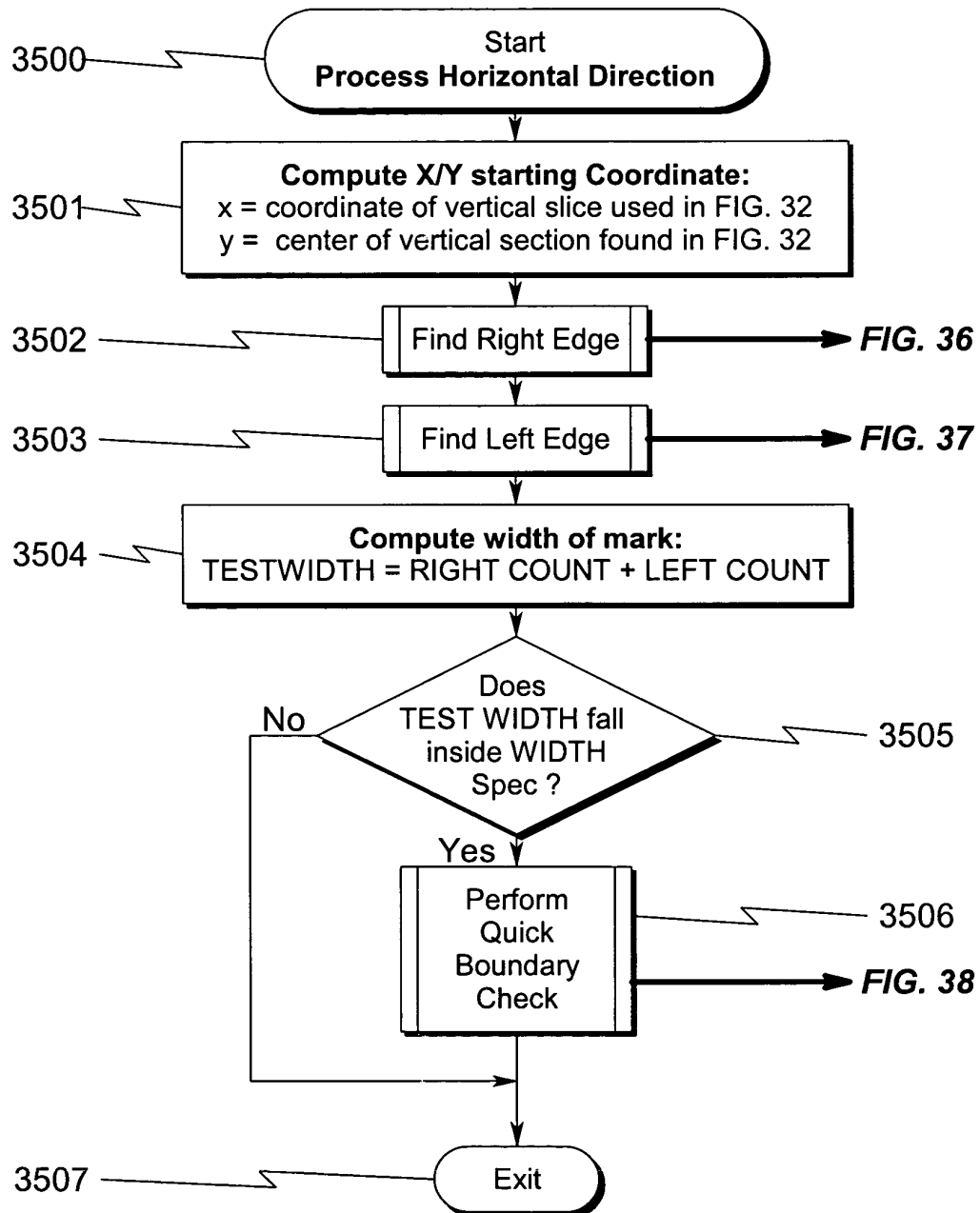


FIG. 36

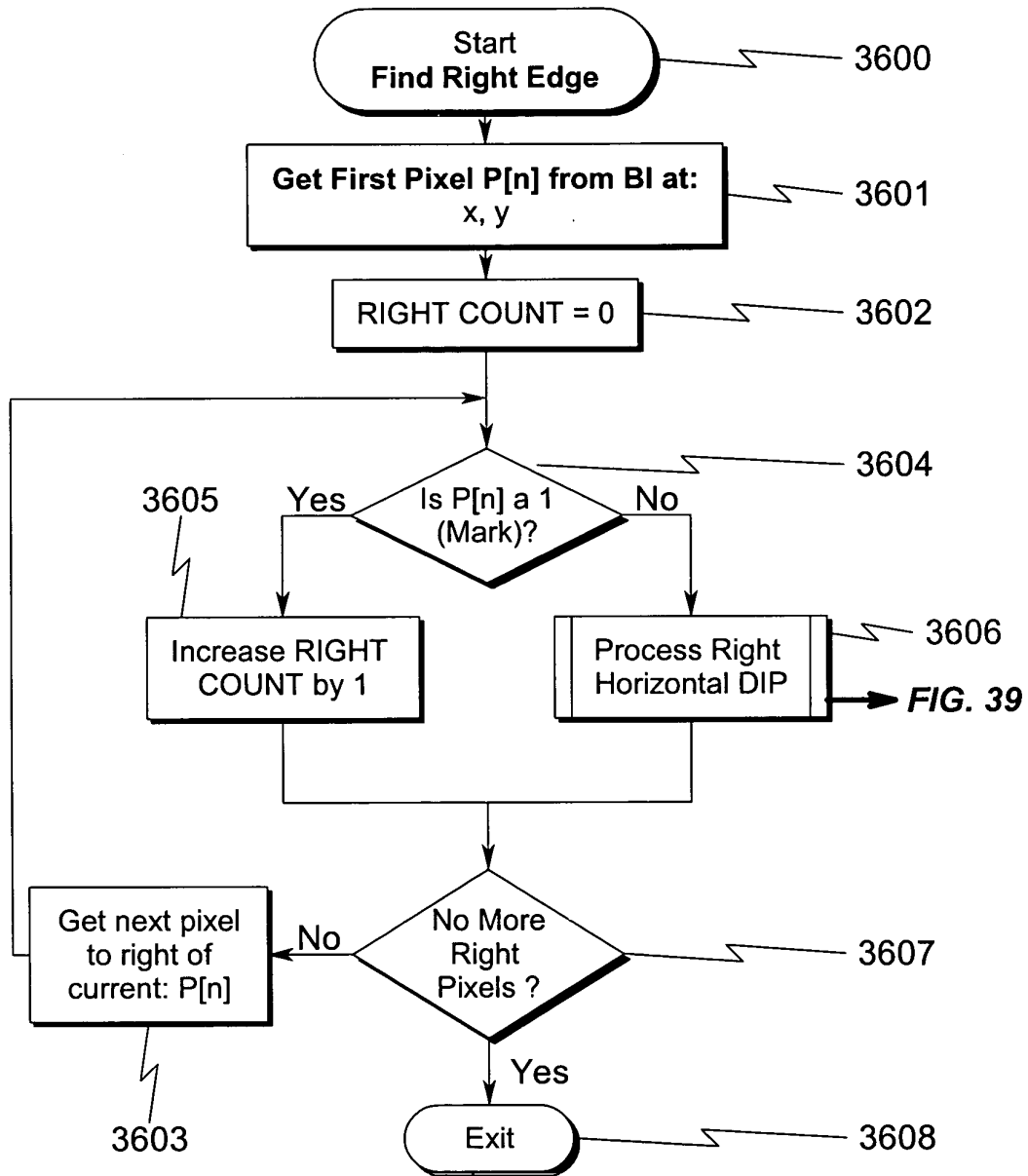


FIG. 37

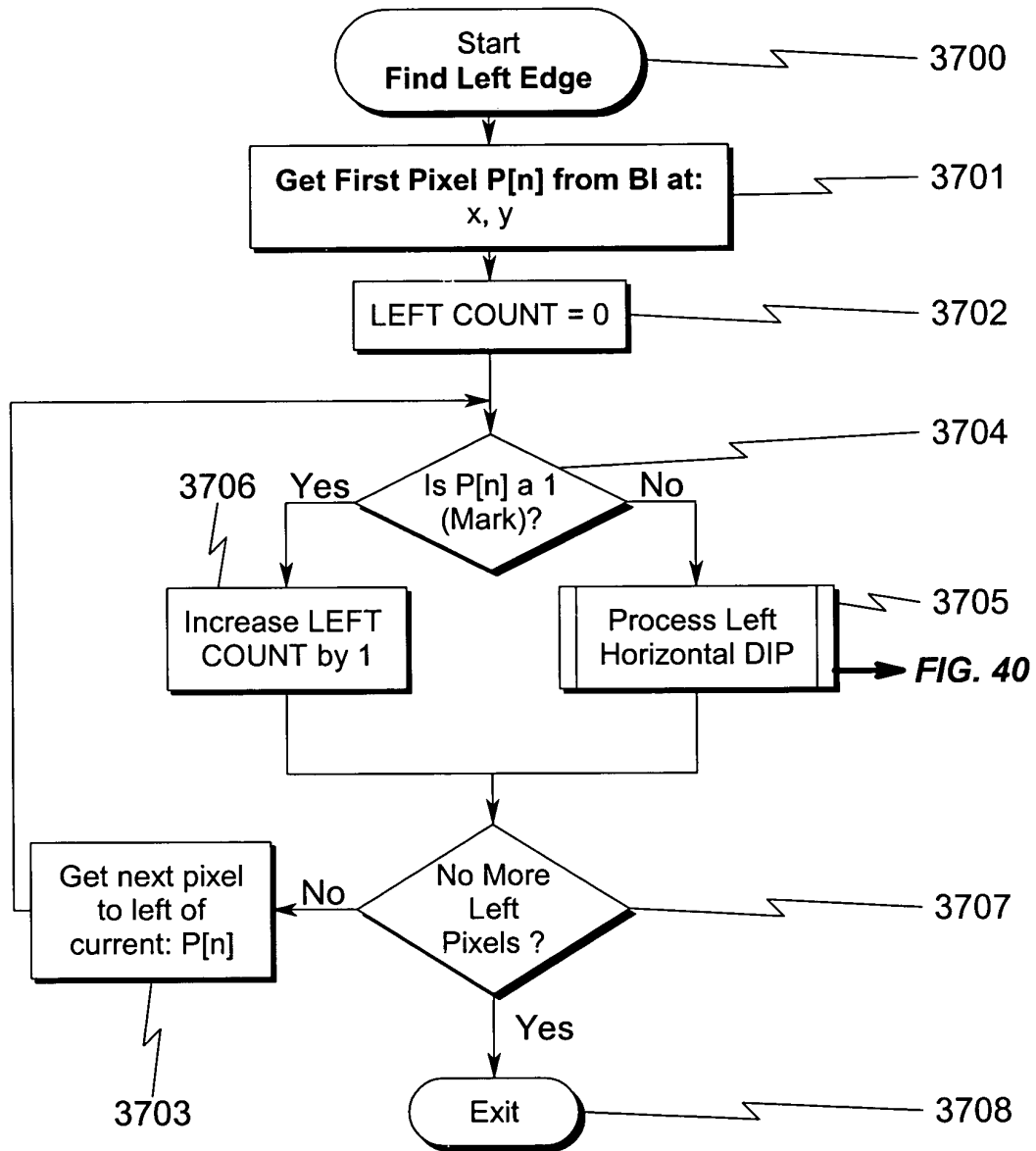


FIG. 38

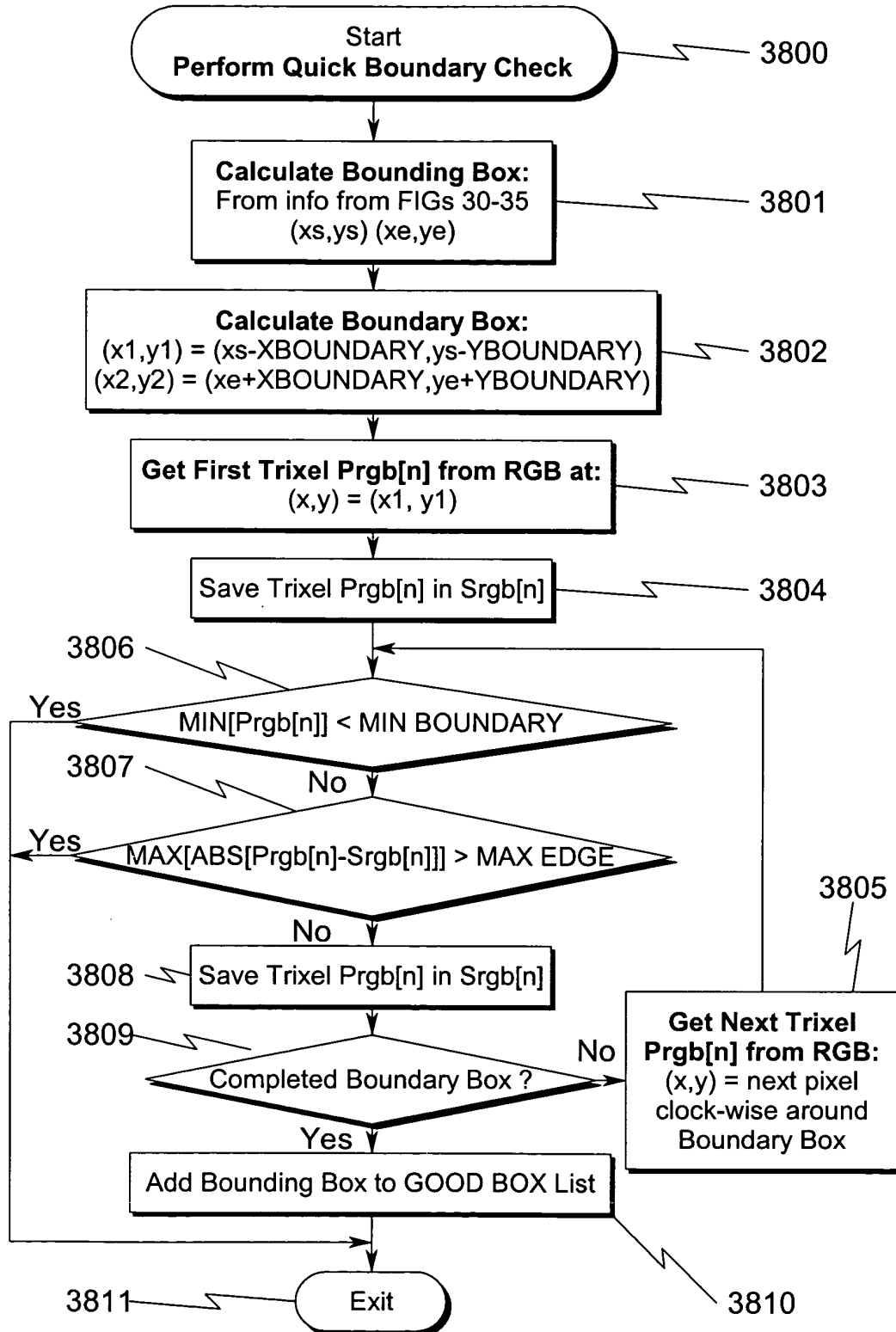


FIG. 39

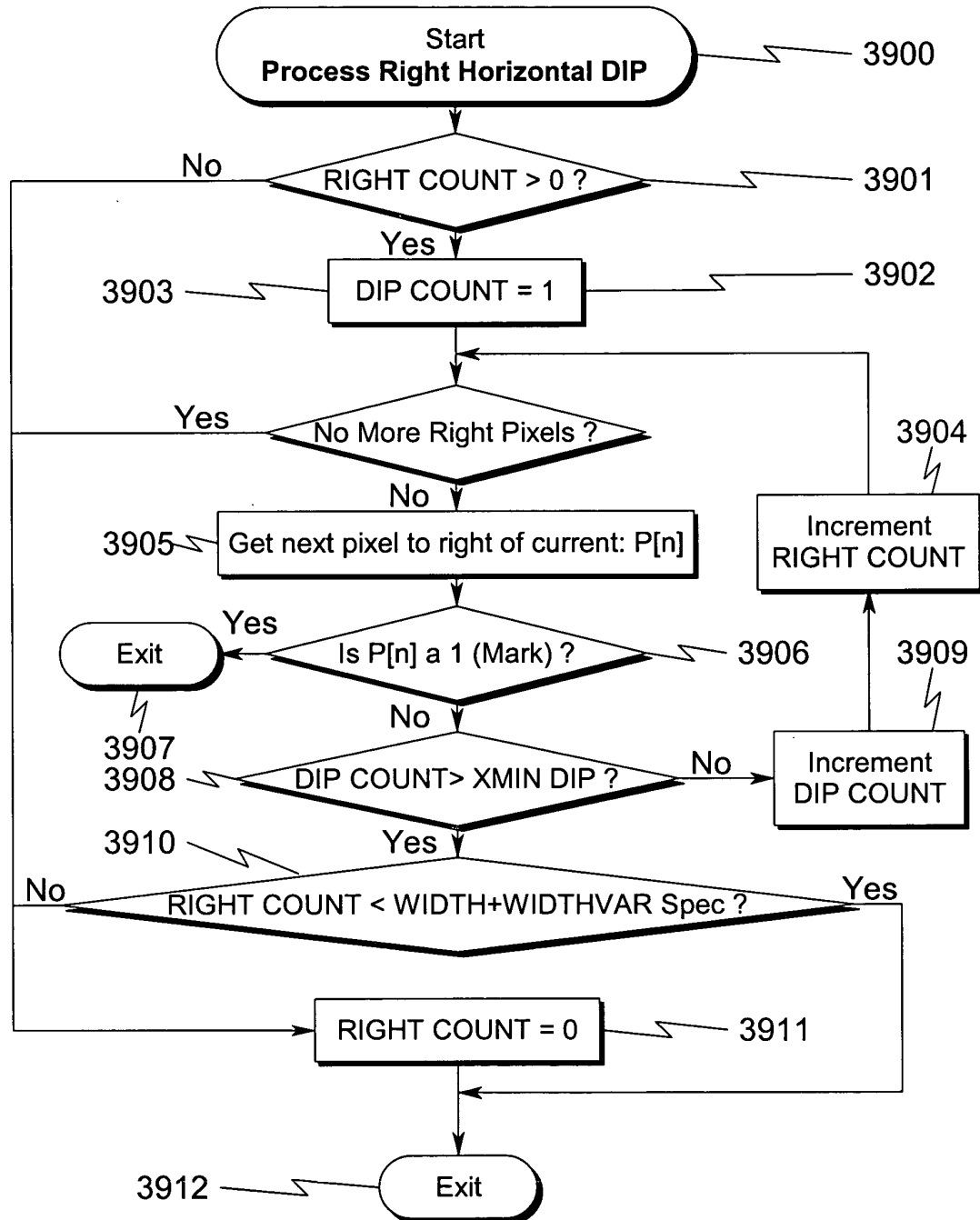


FIG. 40

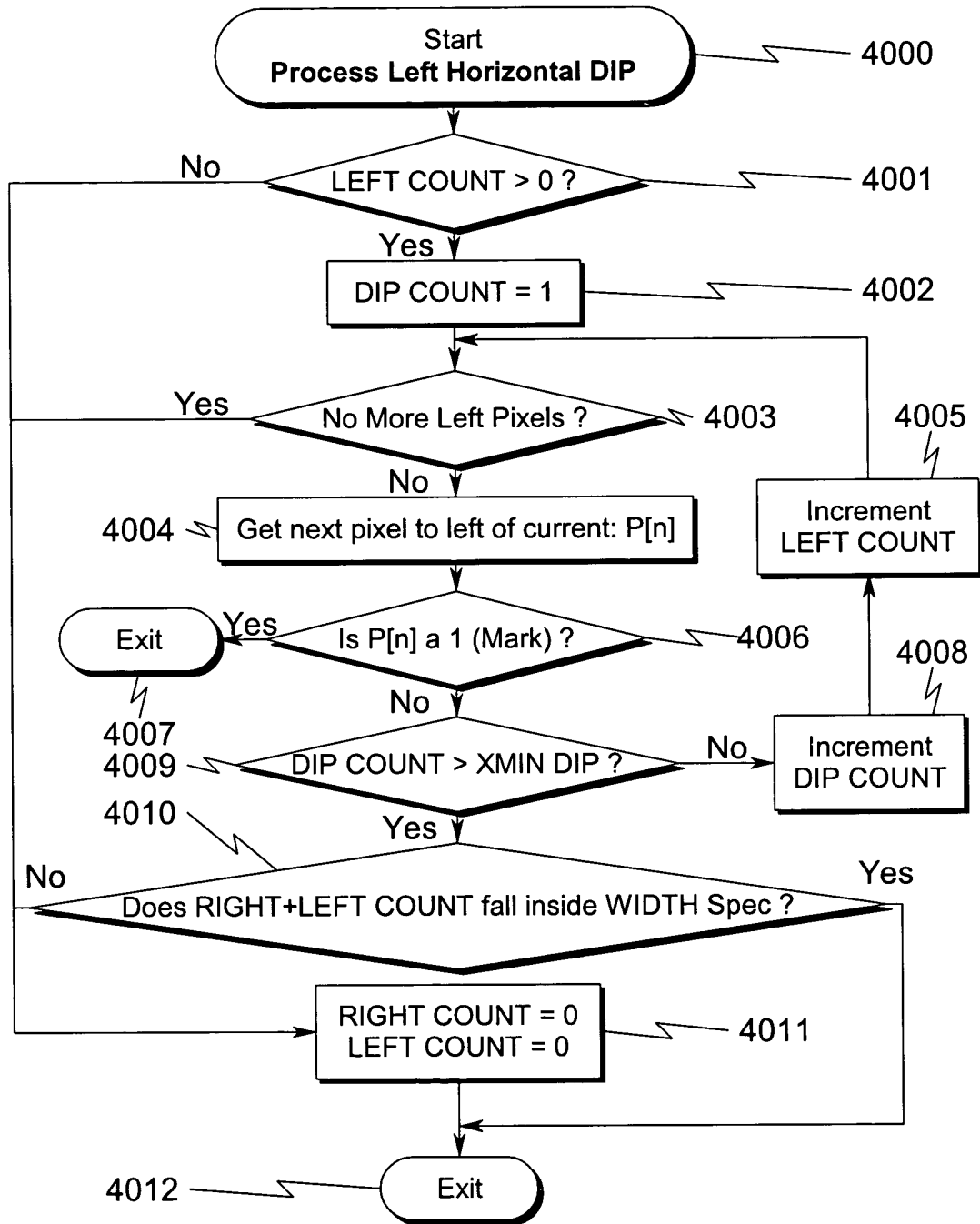


FIG. 41

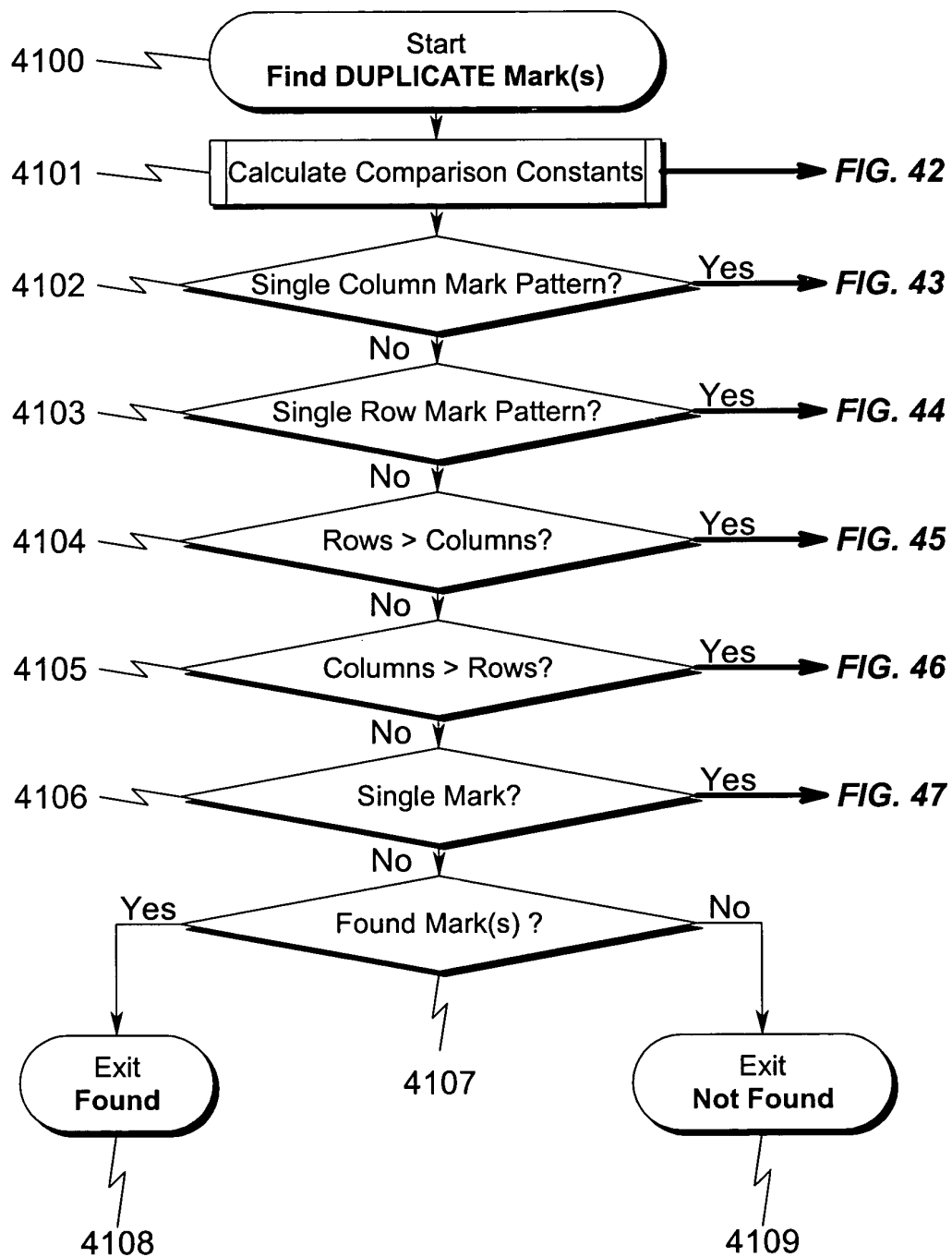


FIG. 42

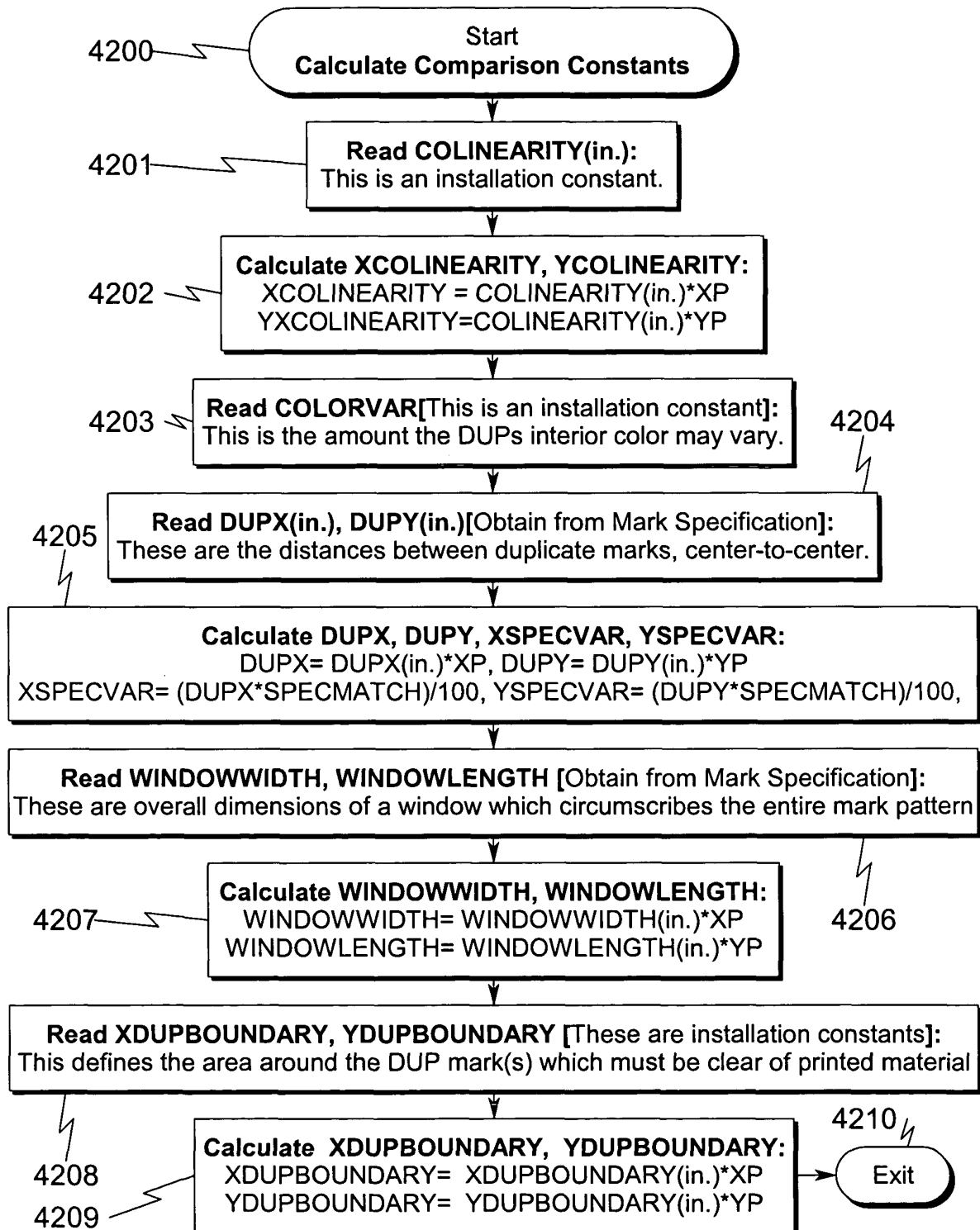


FIG. 43

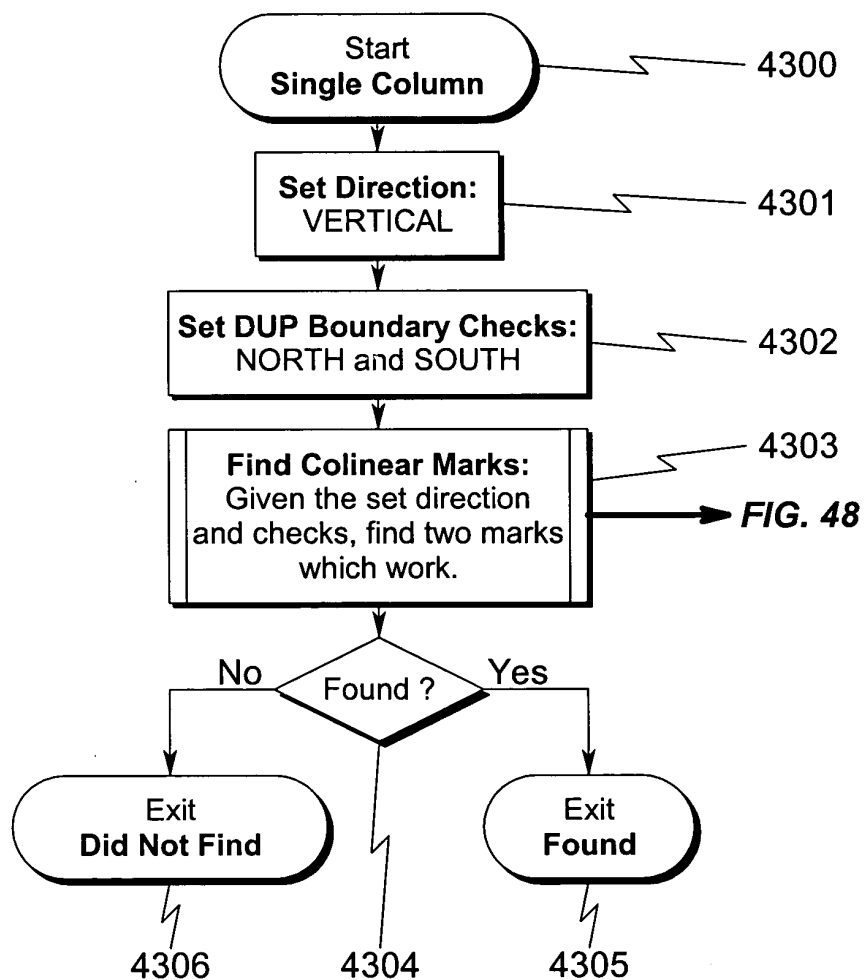


FIG. 44

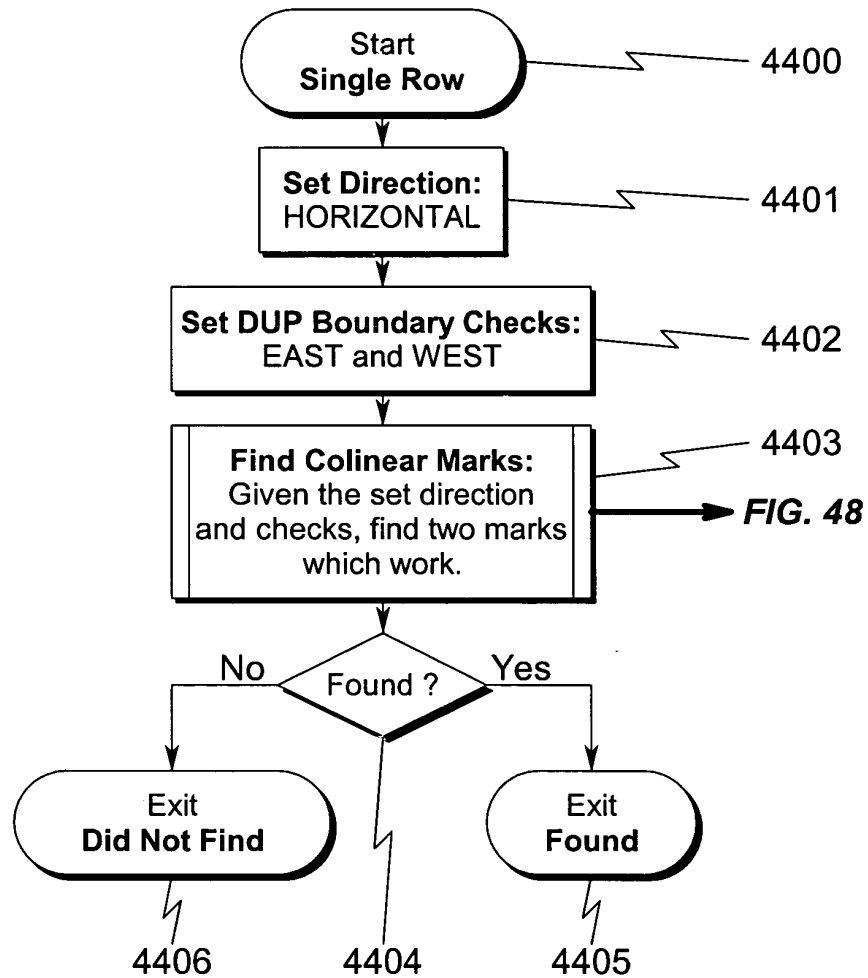


FIG. 45

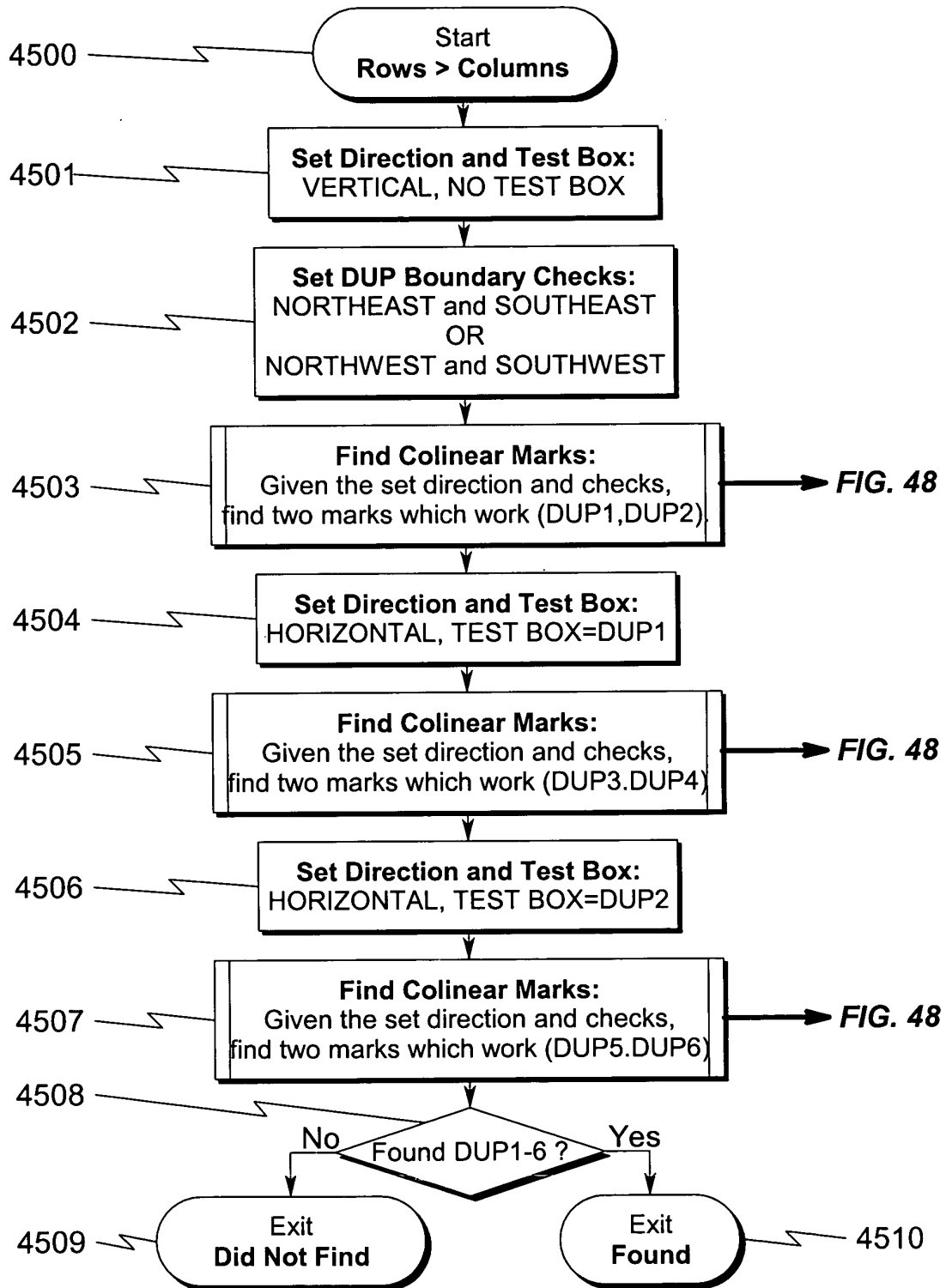


FIG. 46

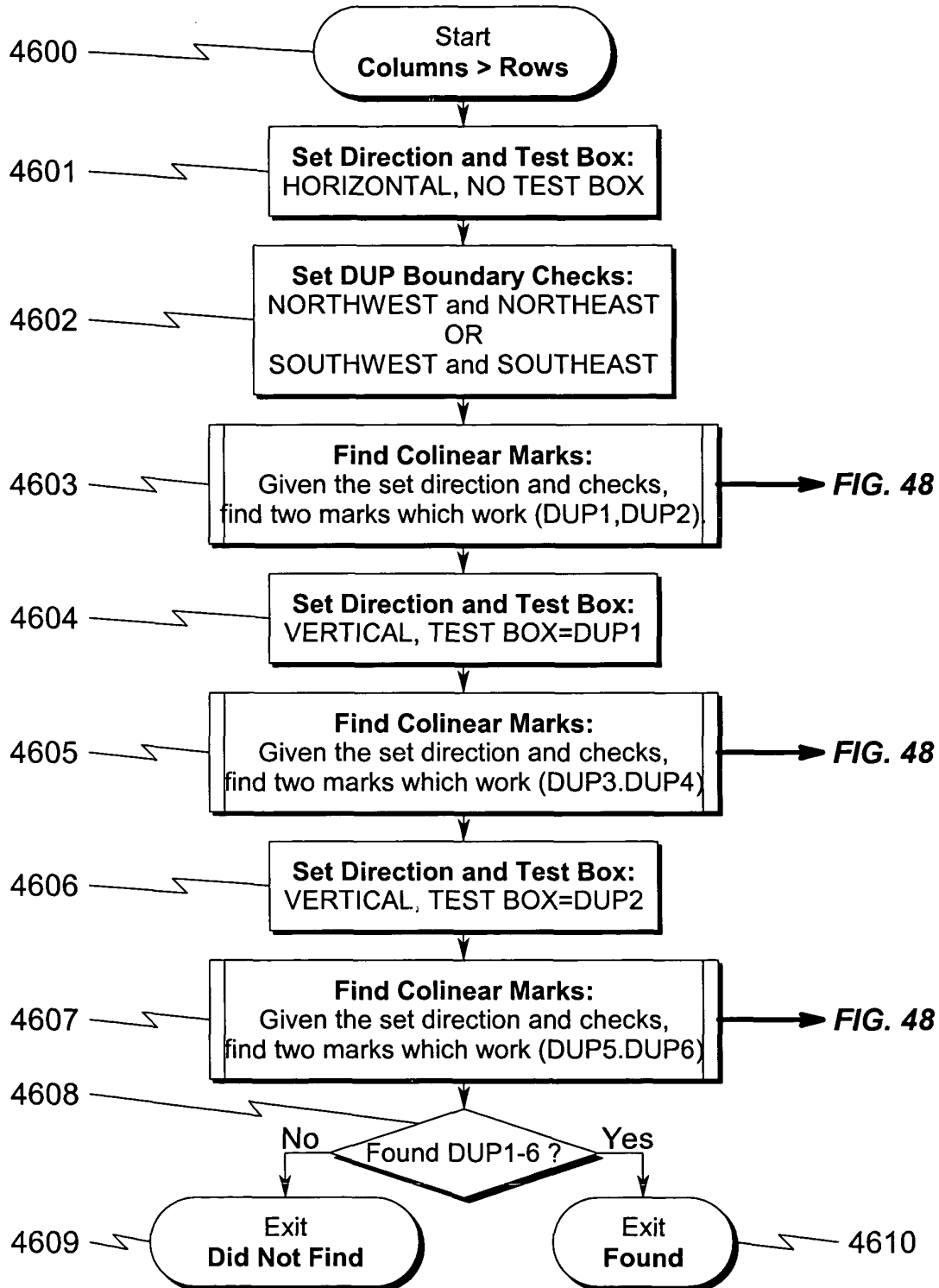


FIG. 47

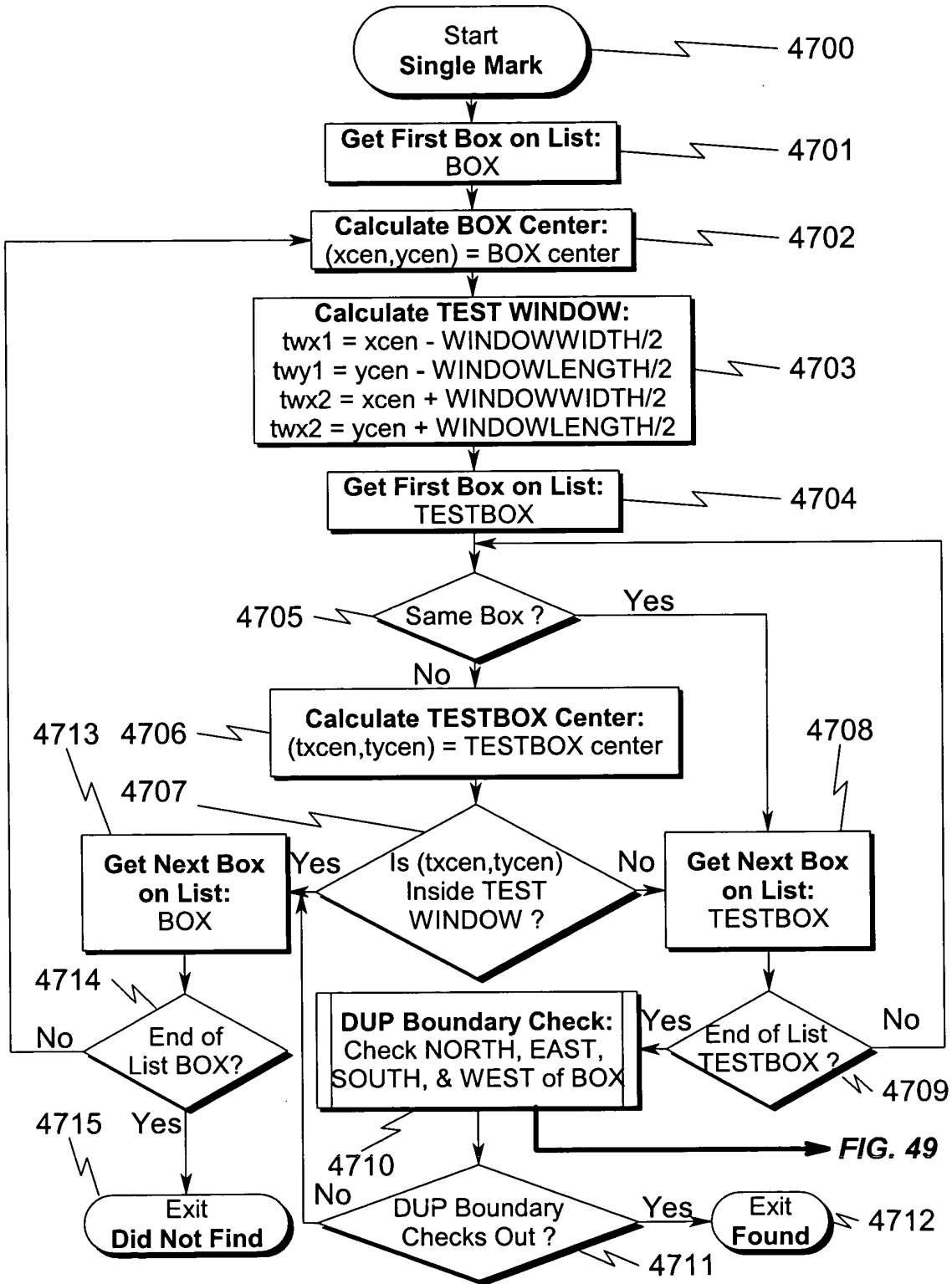


FIG. 48

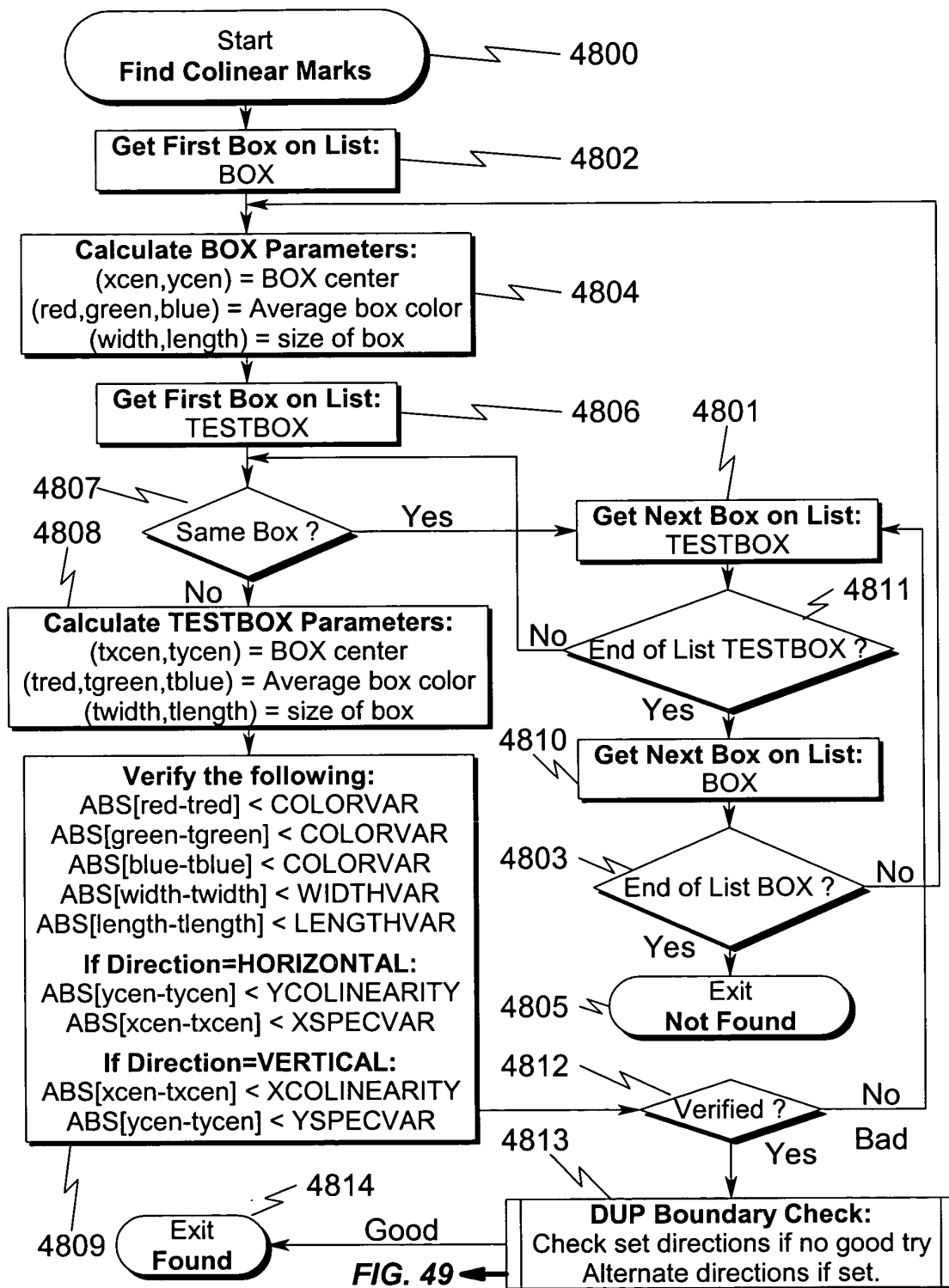


FIG. 49

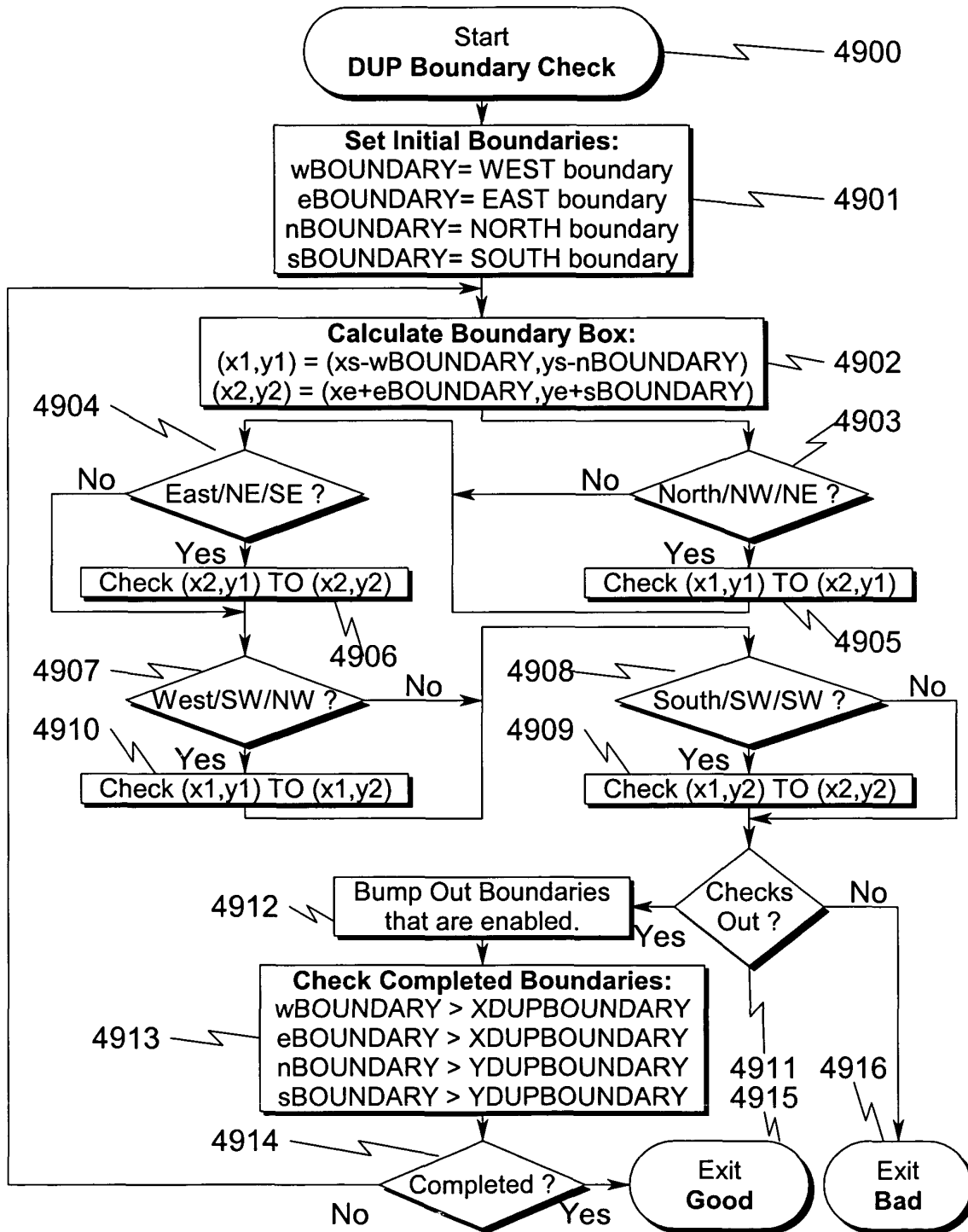


FIG. 50

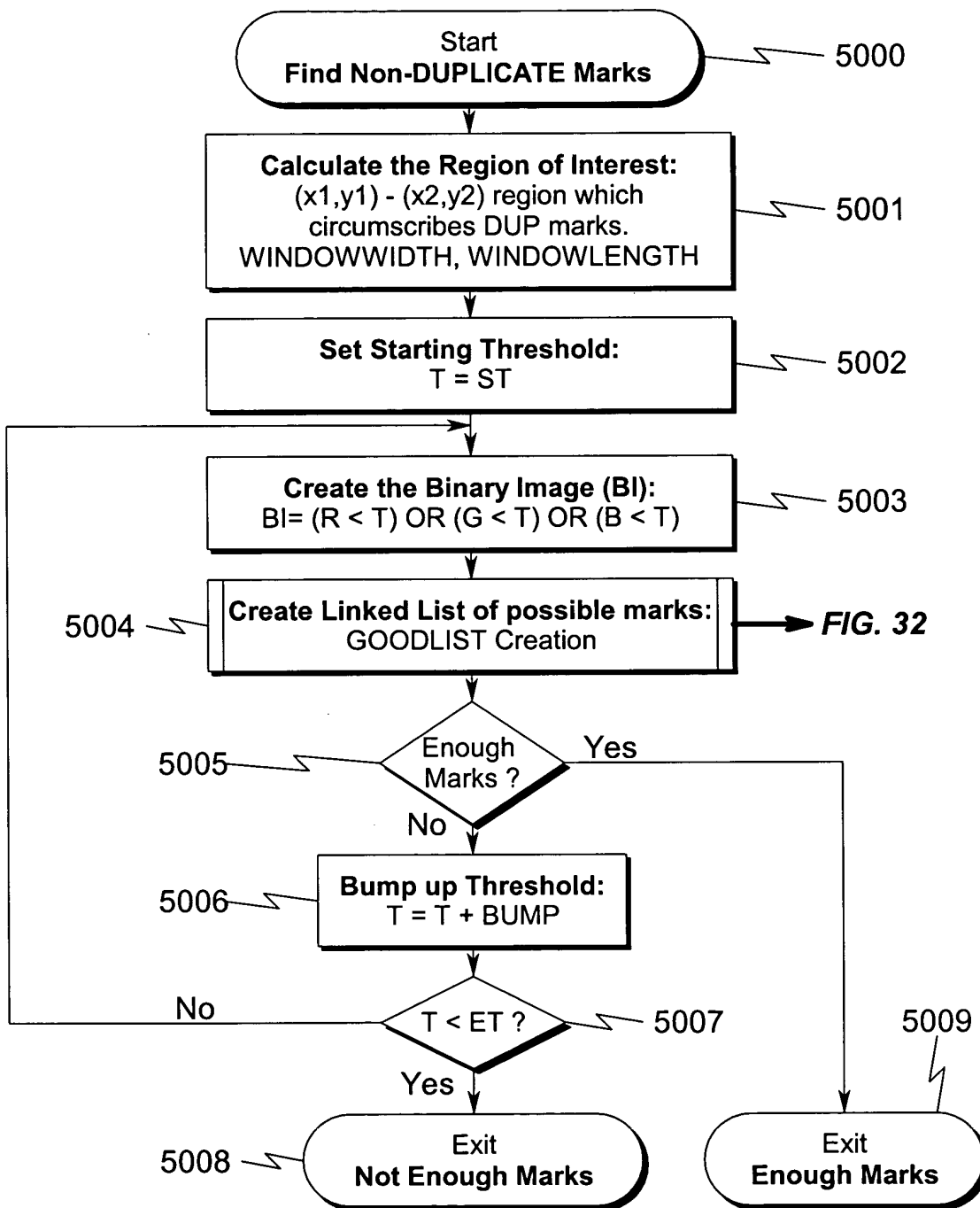


FIG. 51

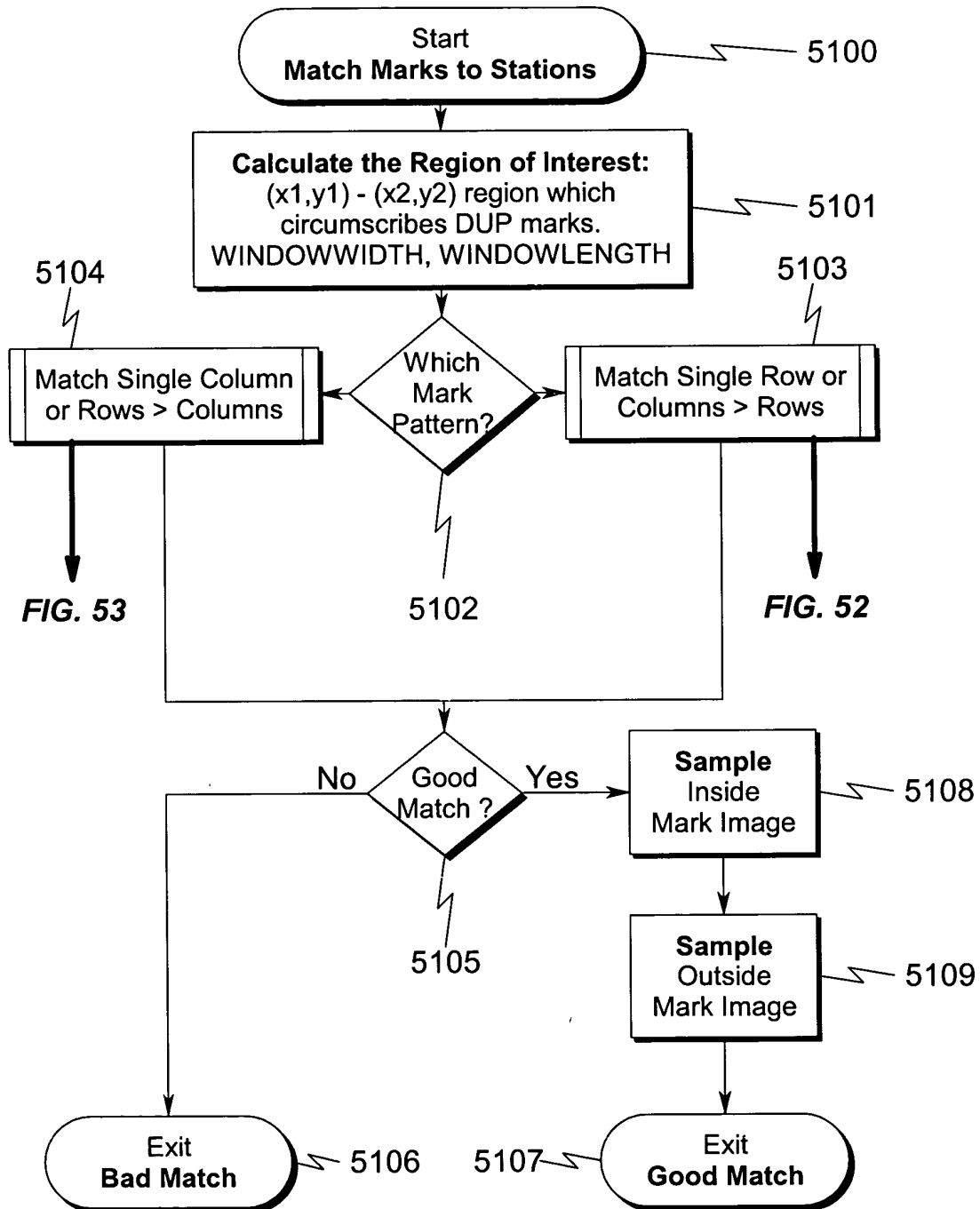


FIG. 52

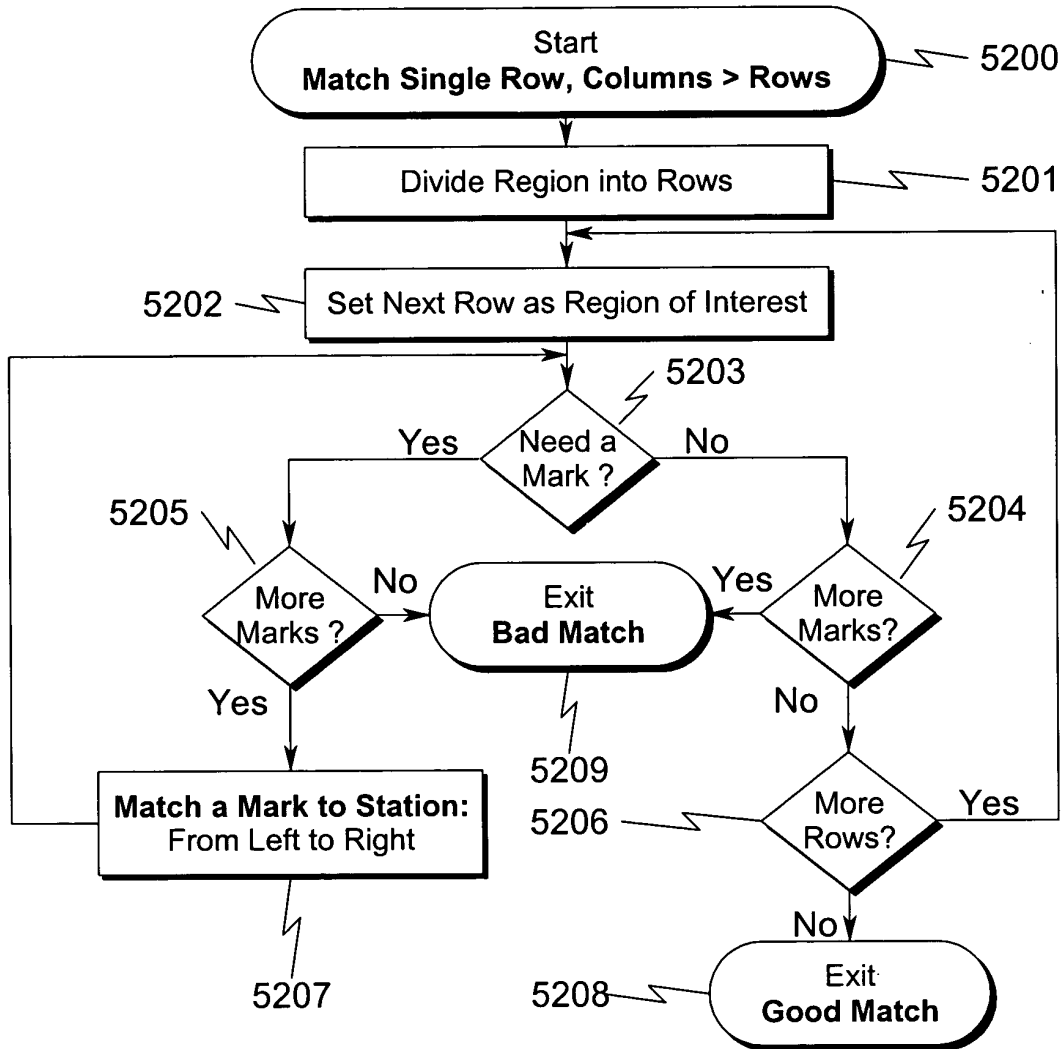


FIG. 53

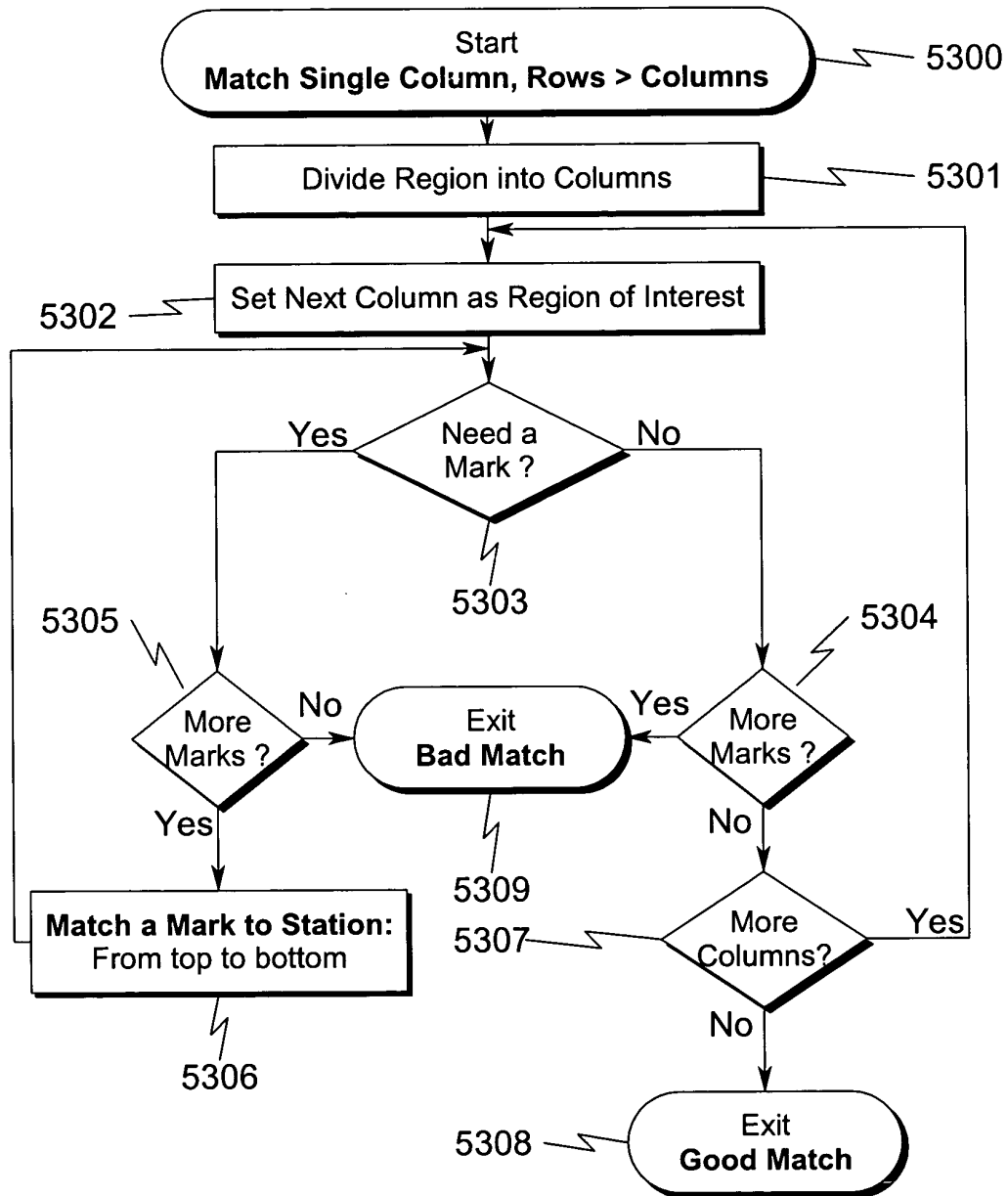


FIG. 54

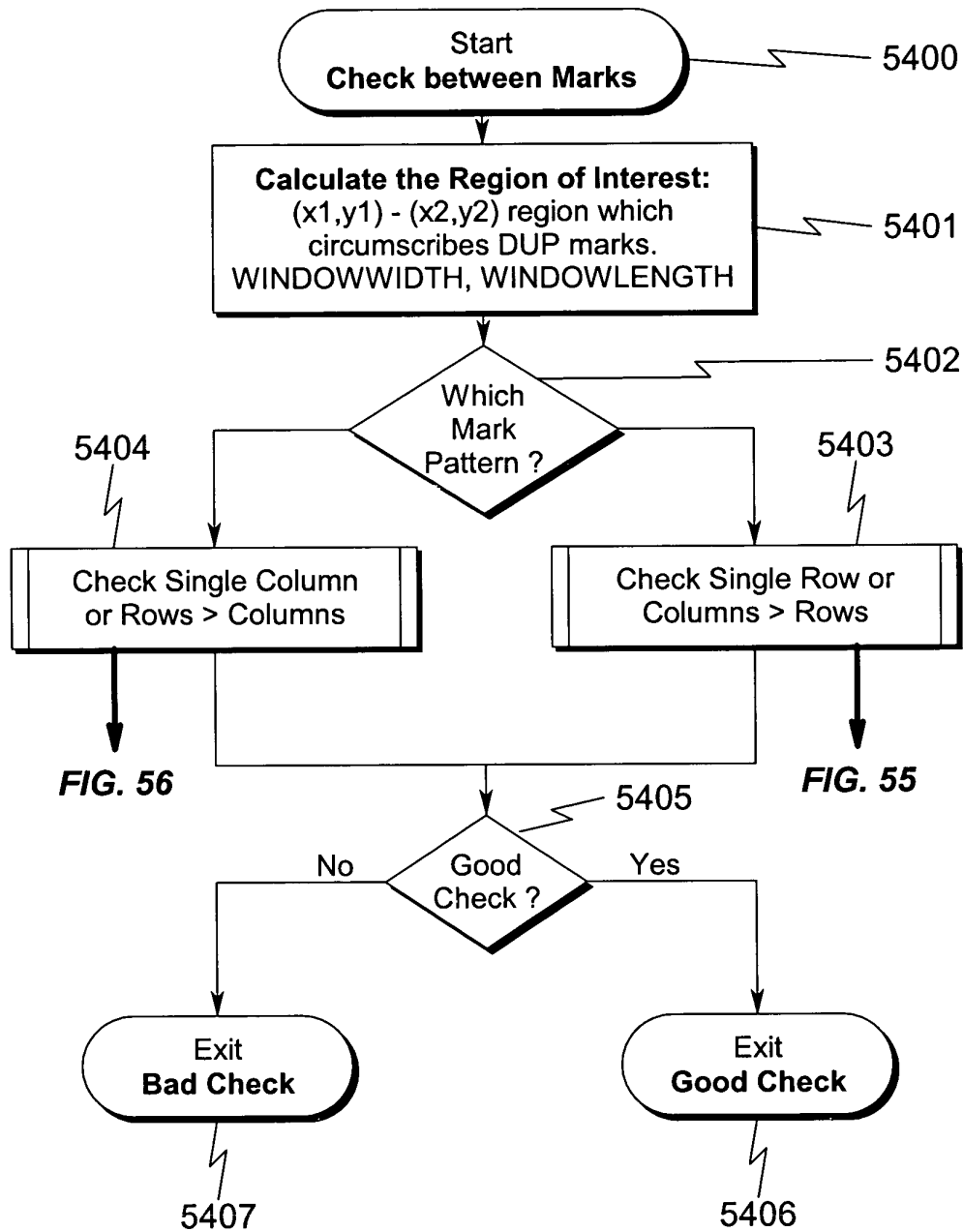


FIG. 55

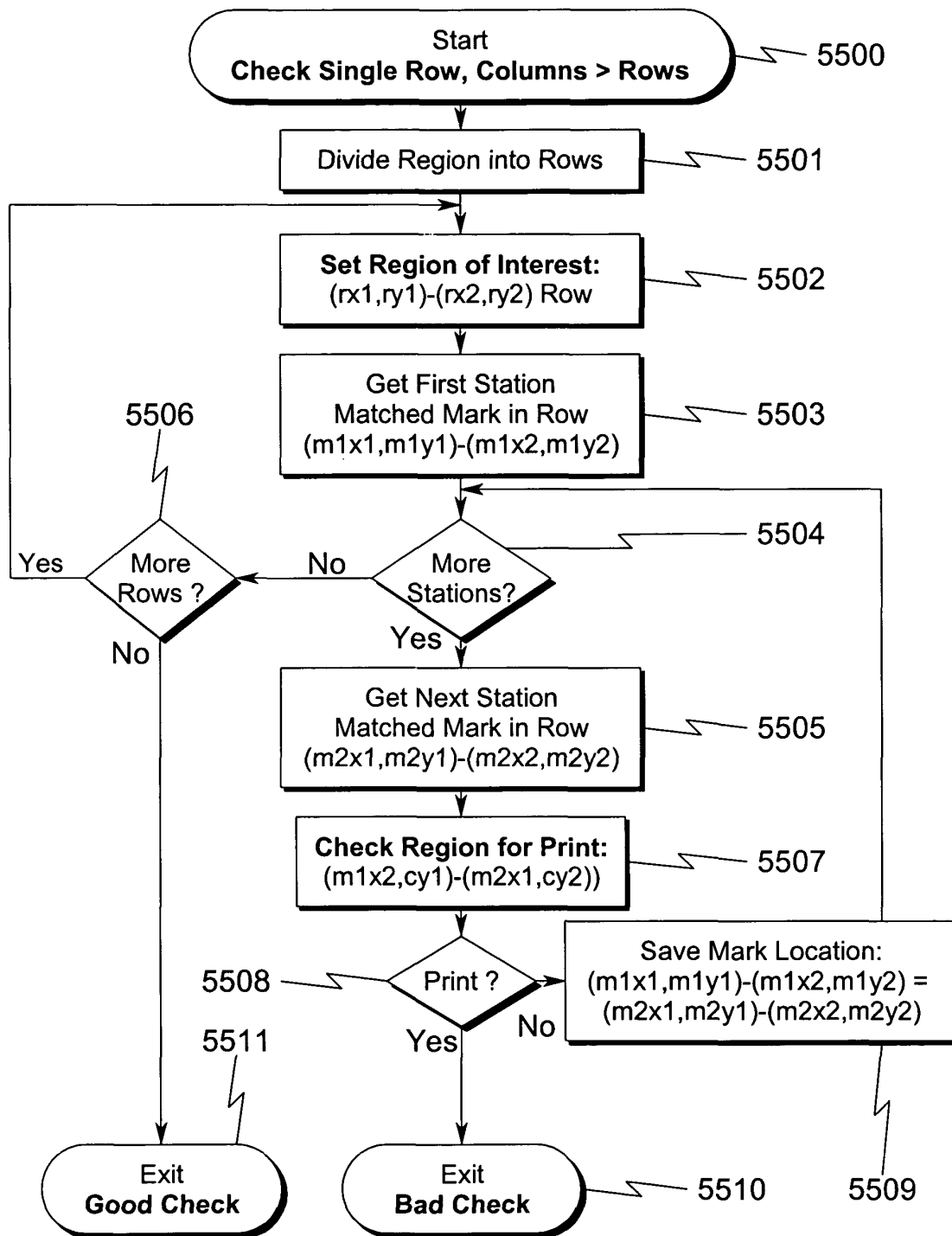


FIG. 56

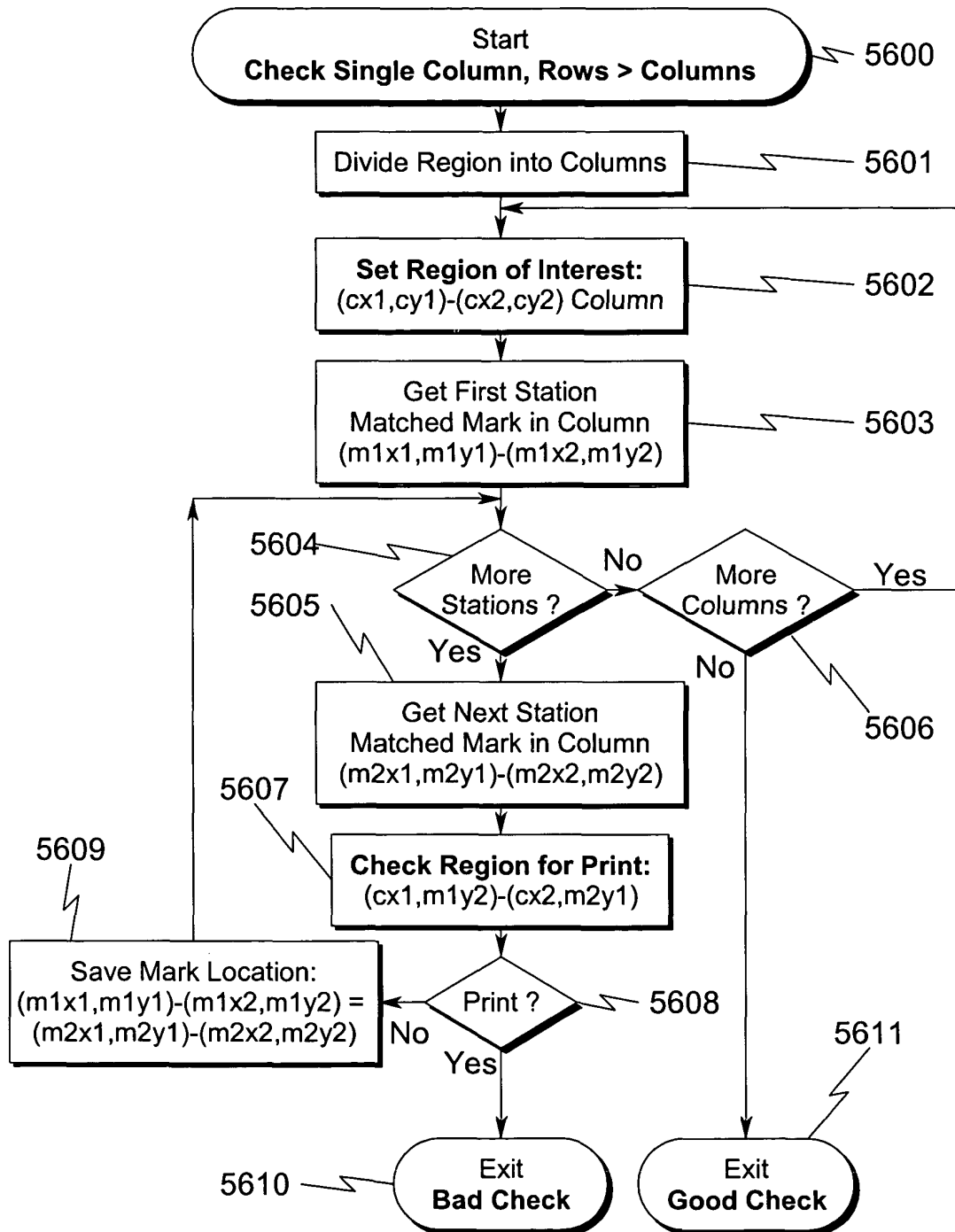


FIG. 57

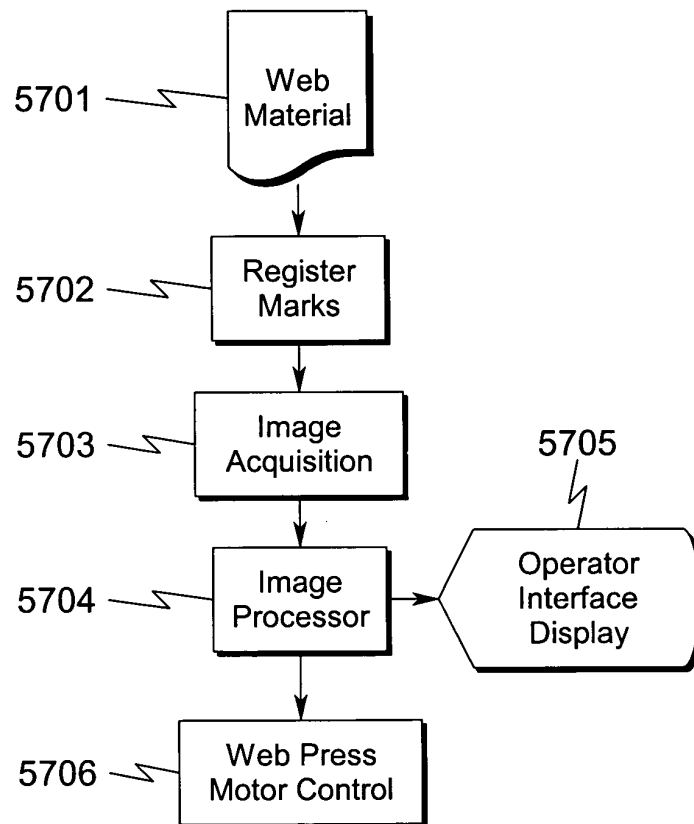


FIG. 58

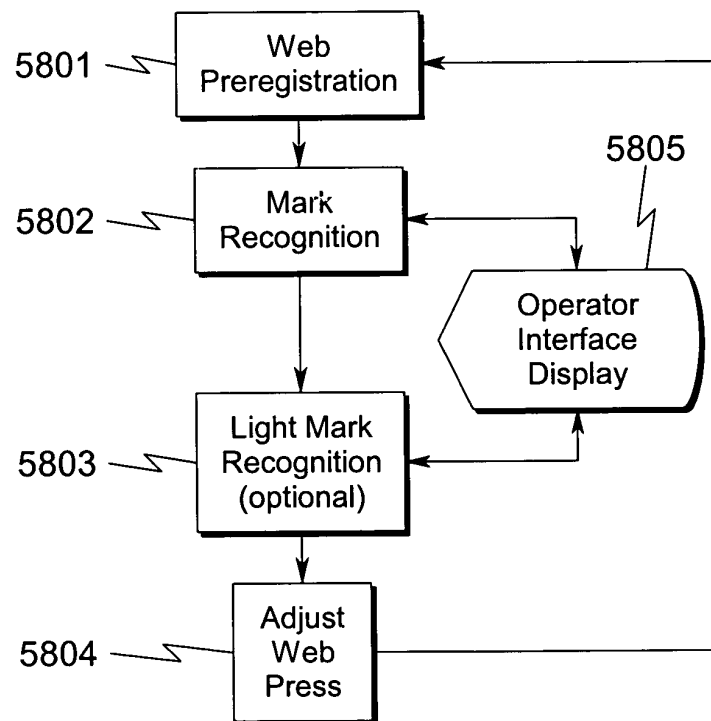


FIG. 59

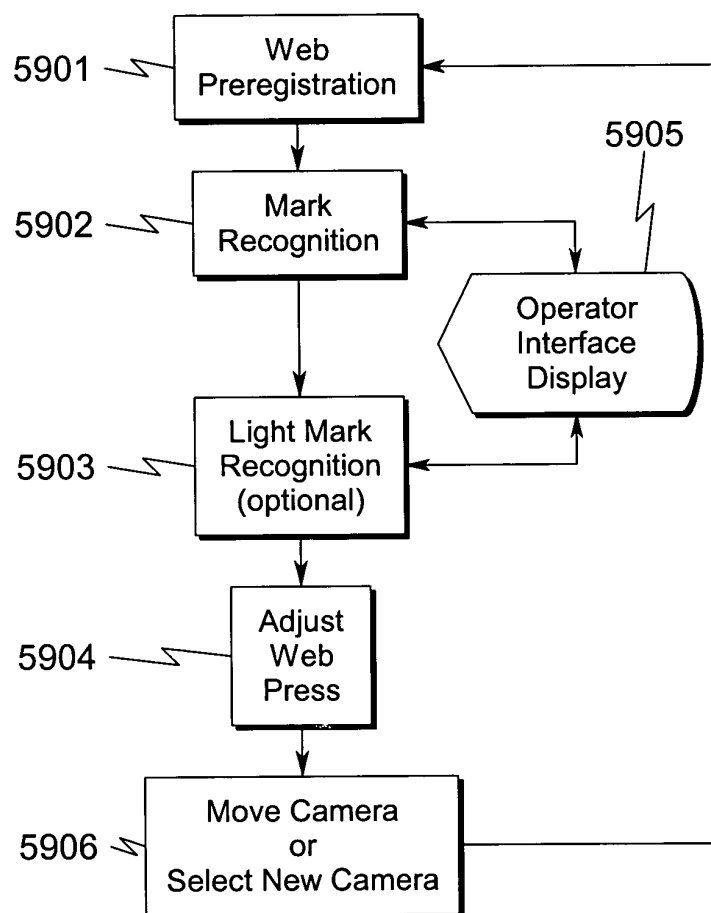


FIG. 60

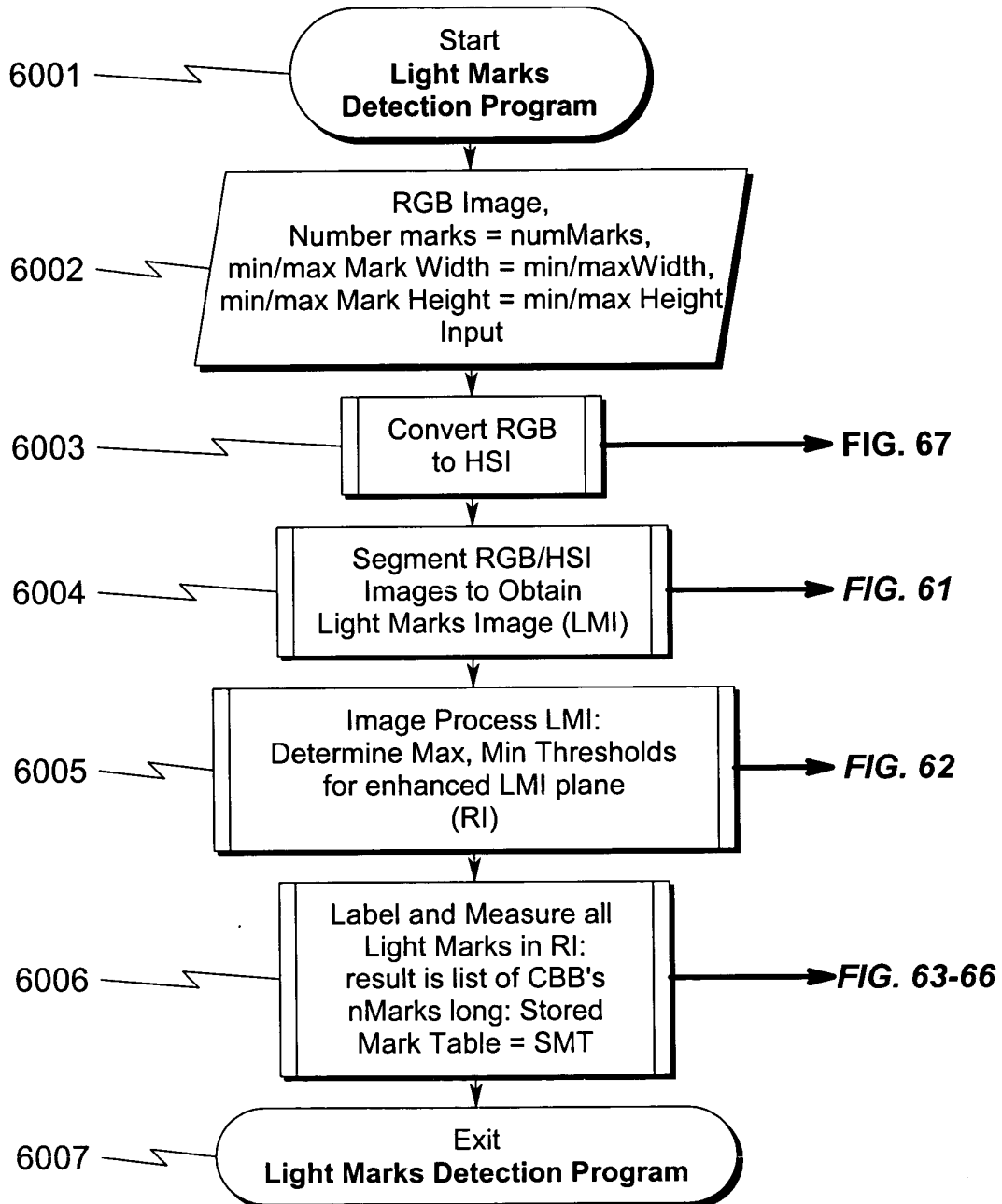


FIG. 61

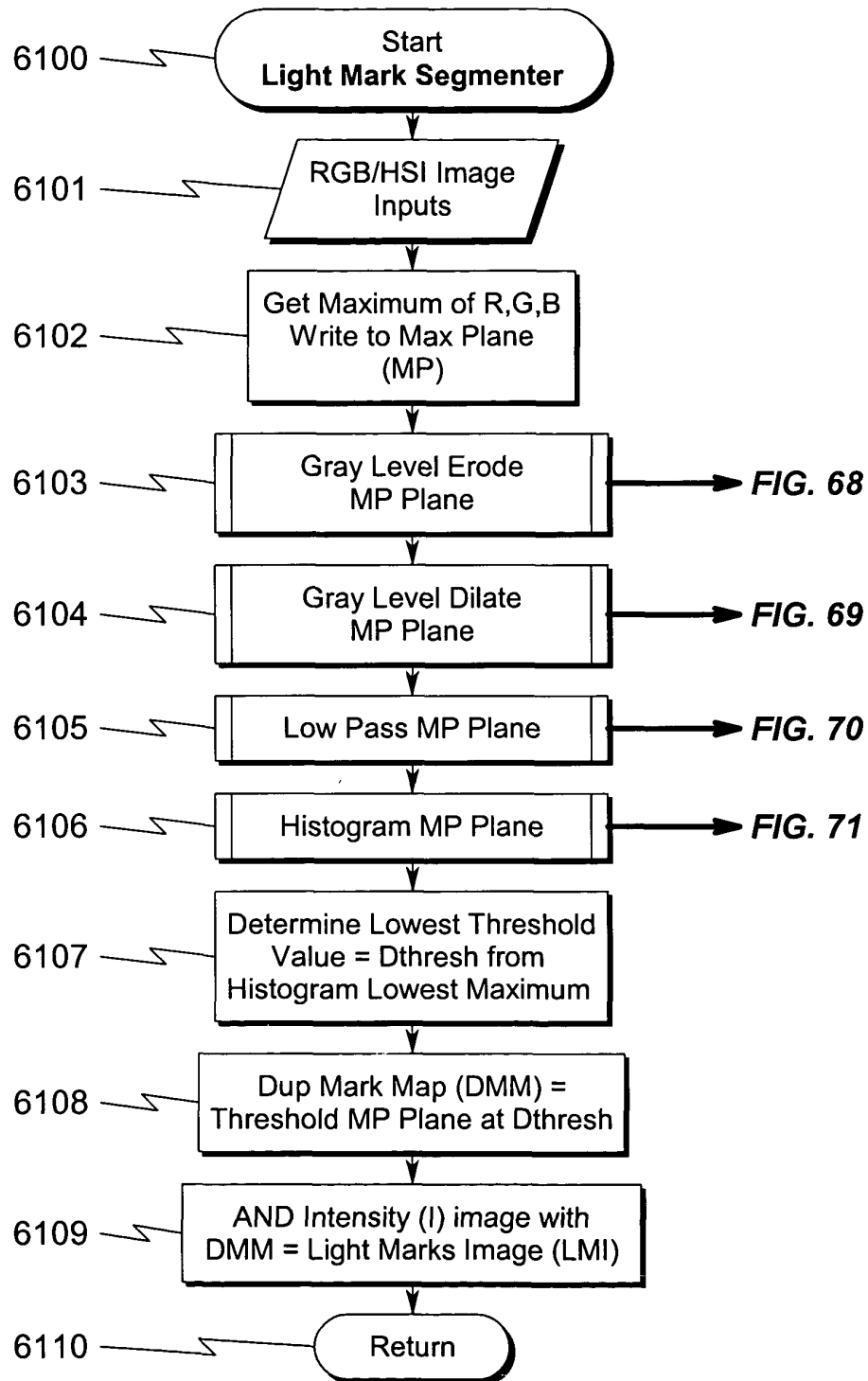


FIG. 62

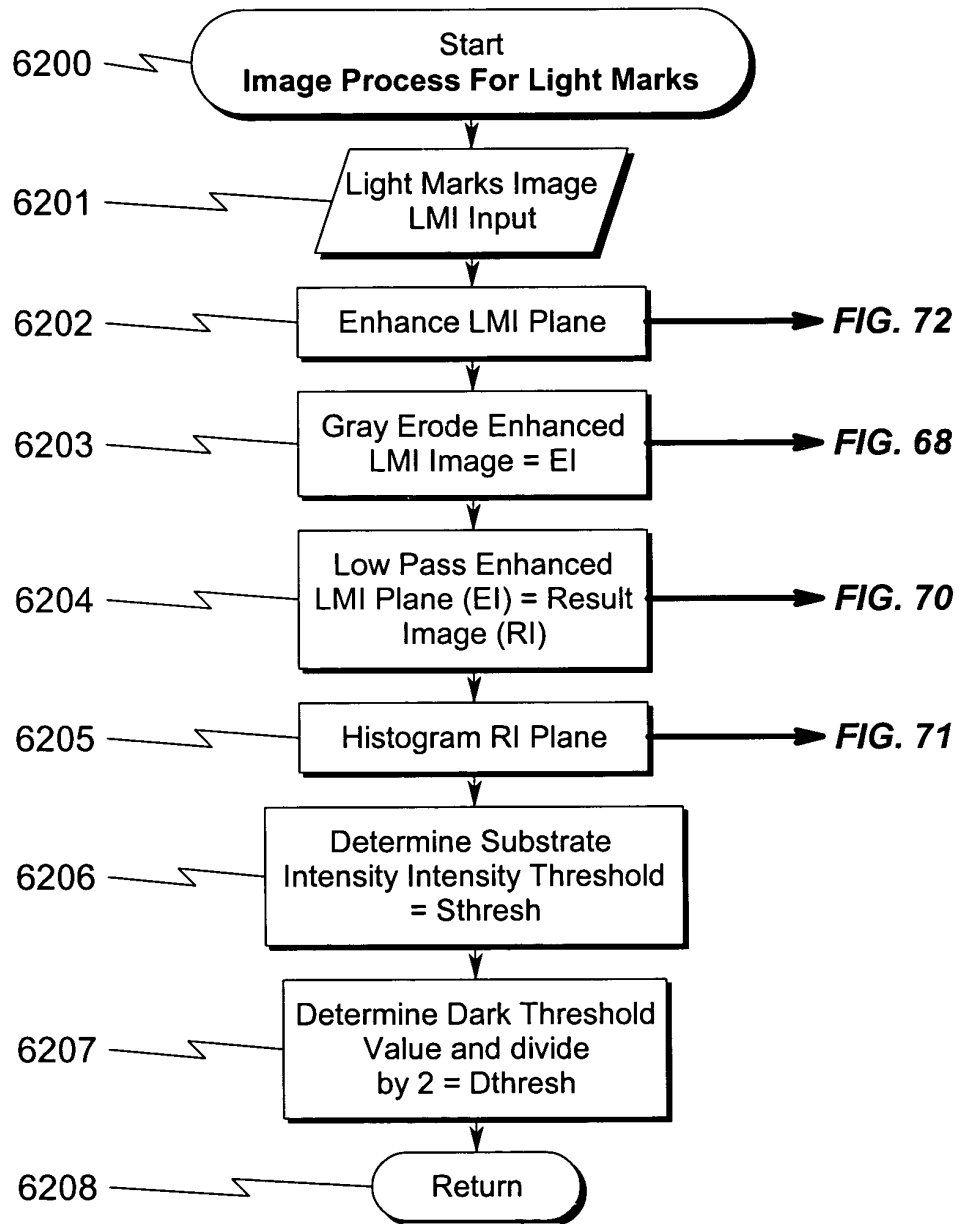


FIG. 63

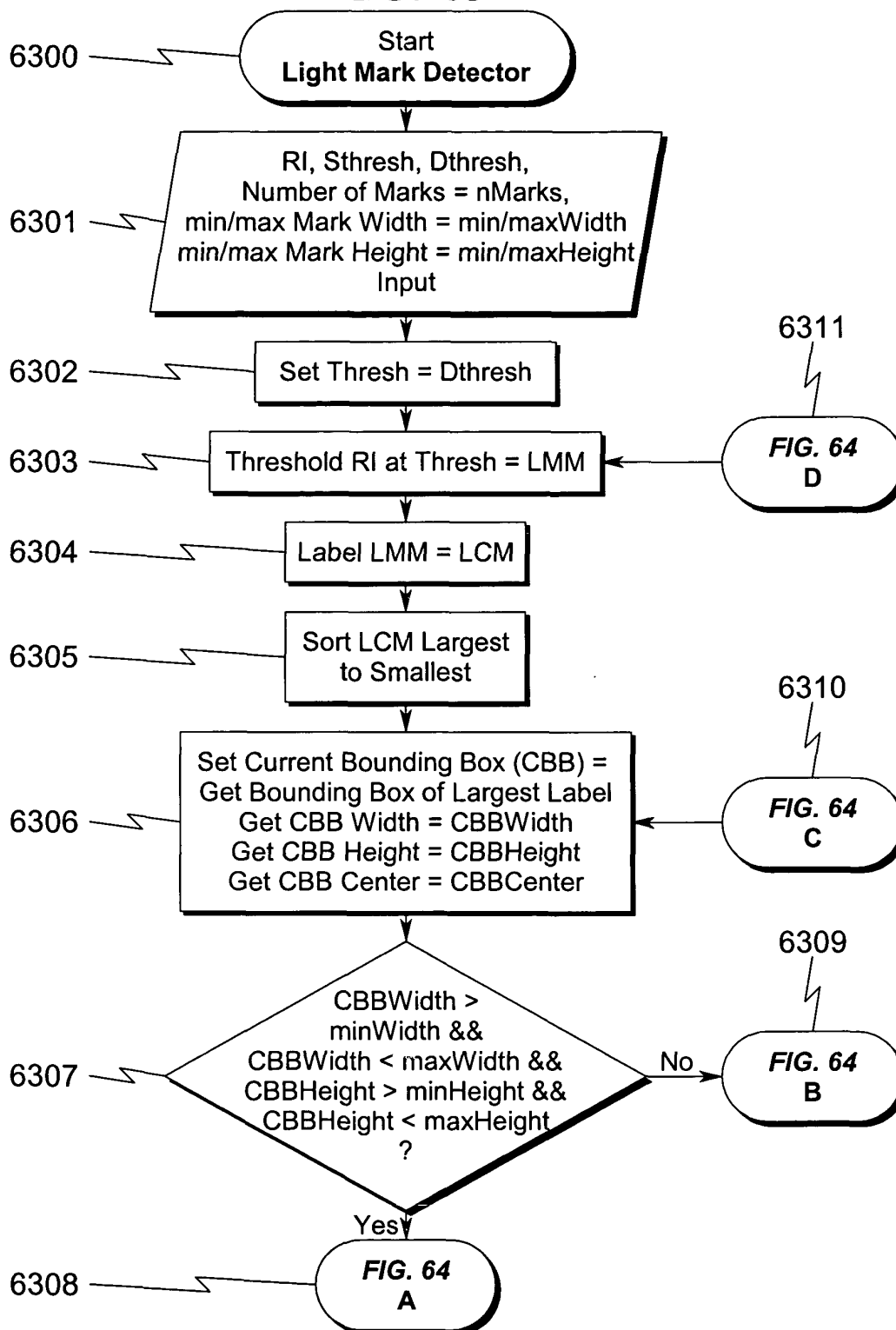


FIG. 64

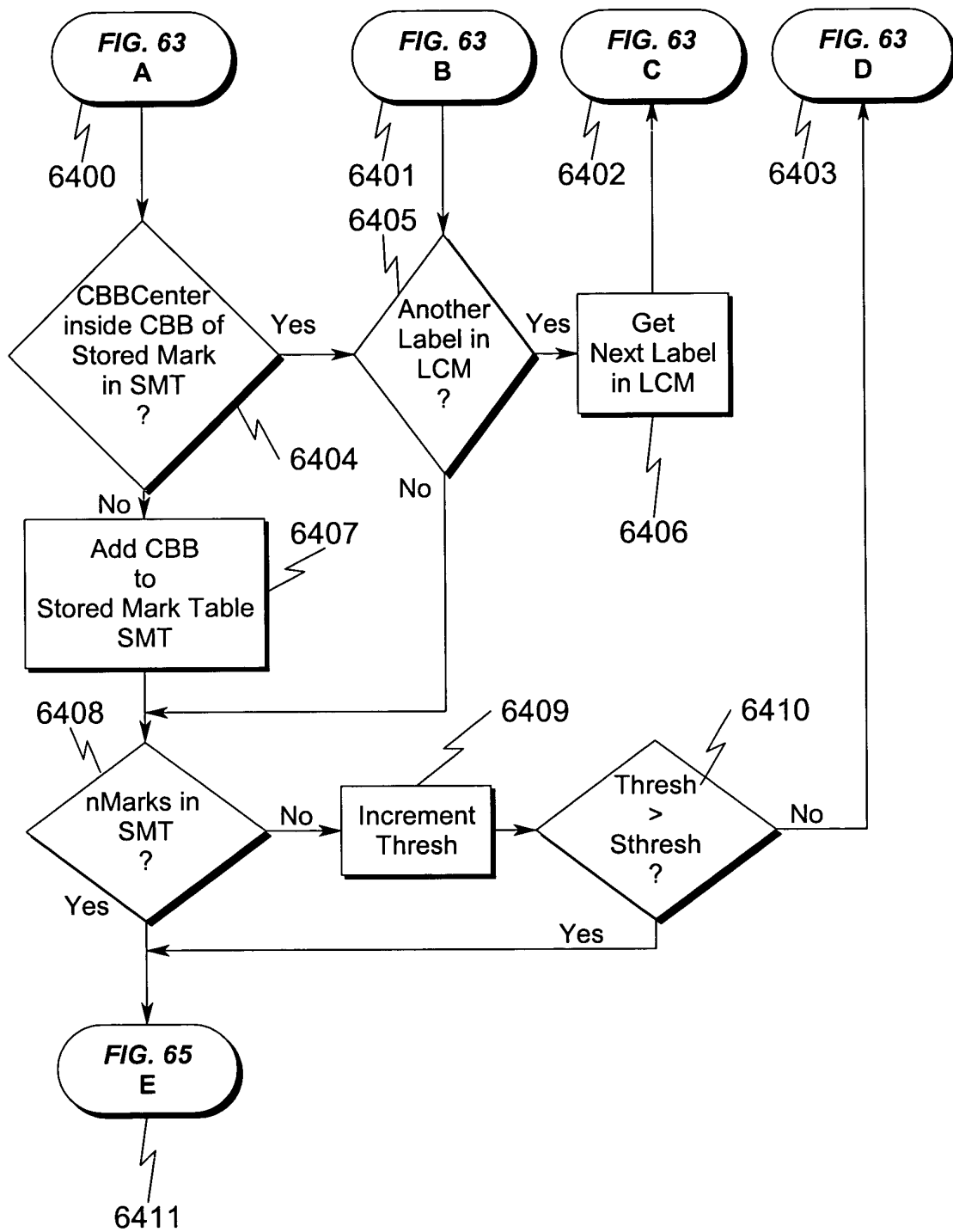


FIG. 65

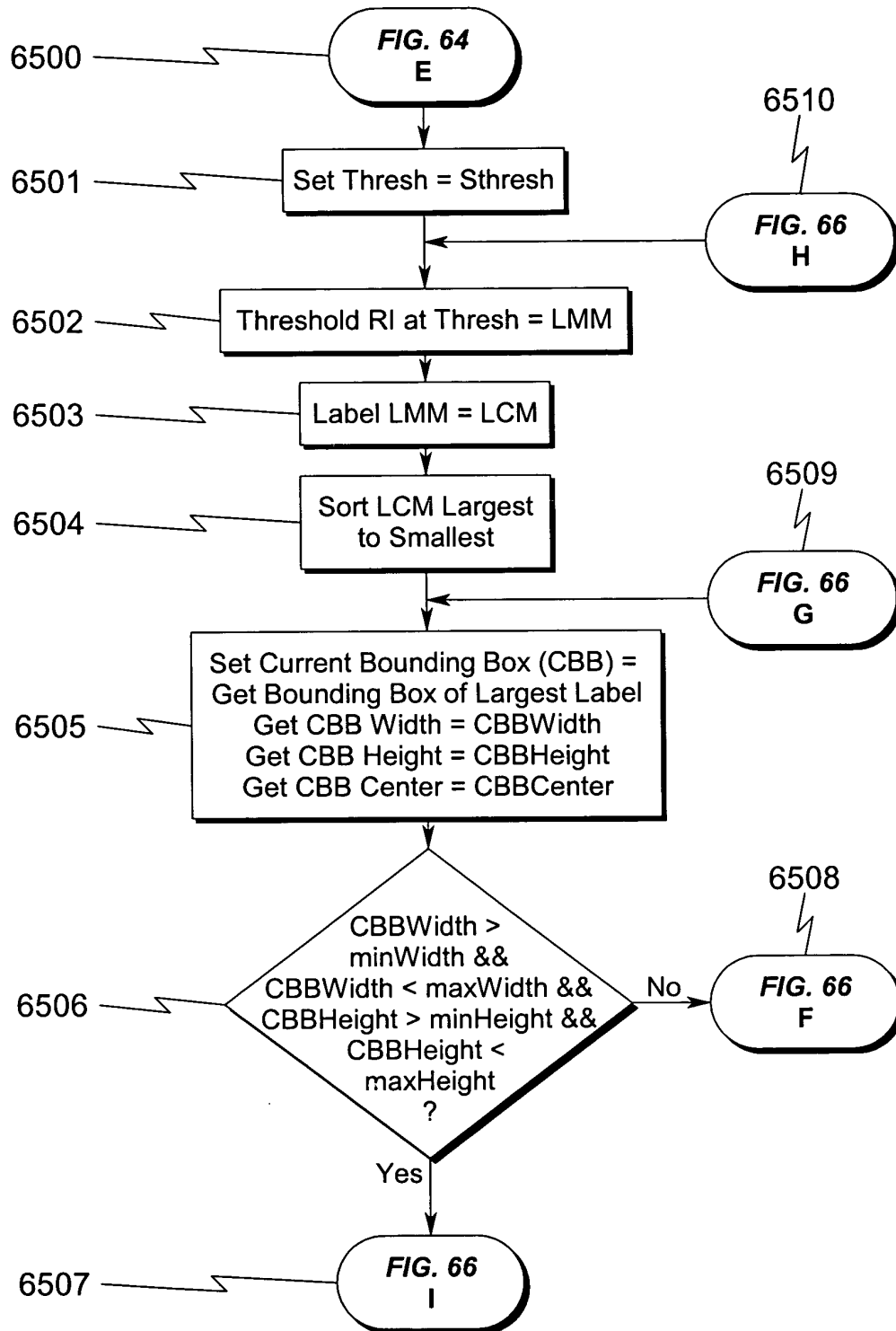


FIG. 66

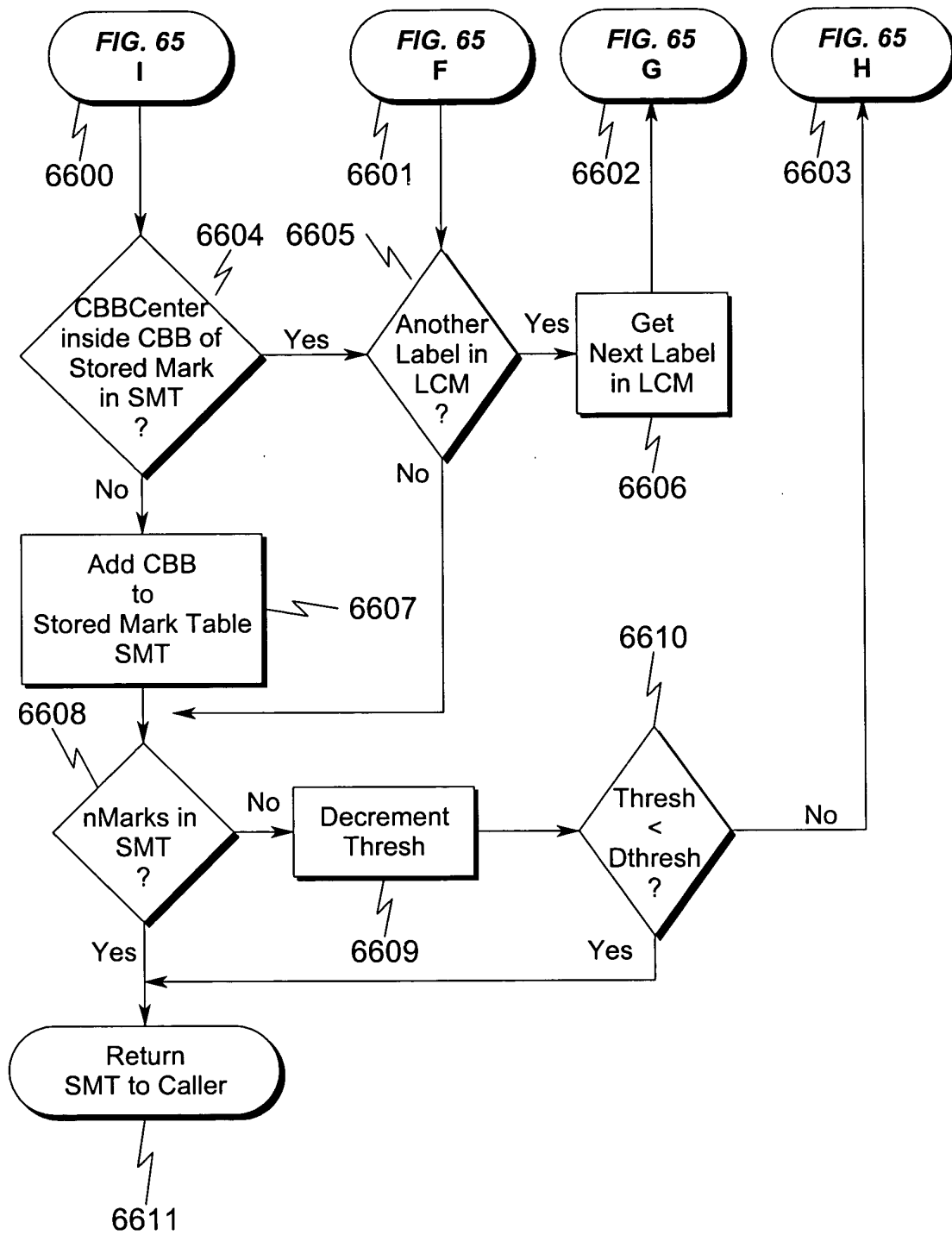


FIG. 67

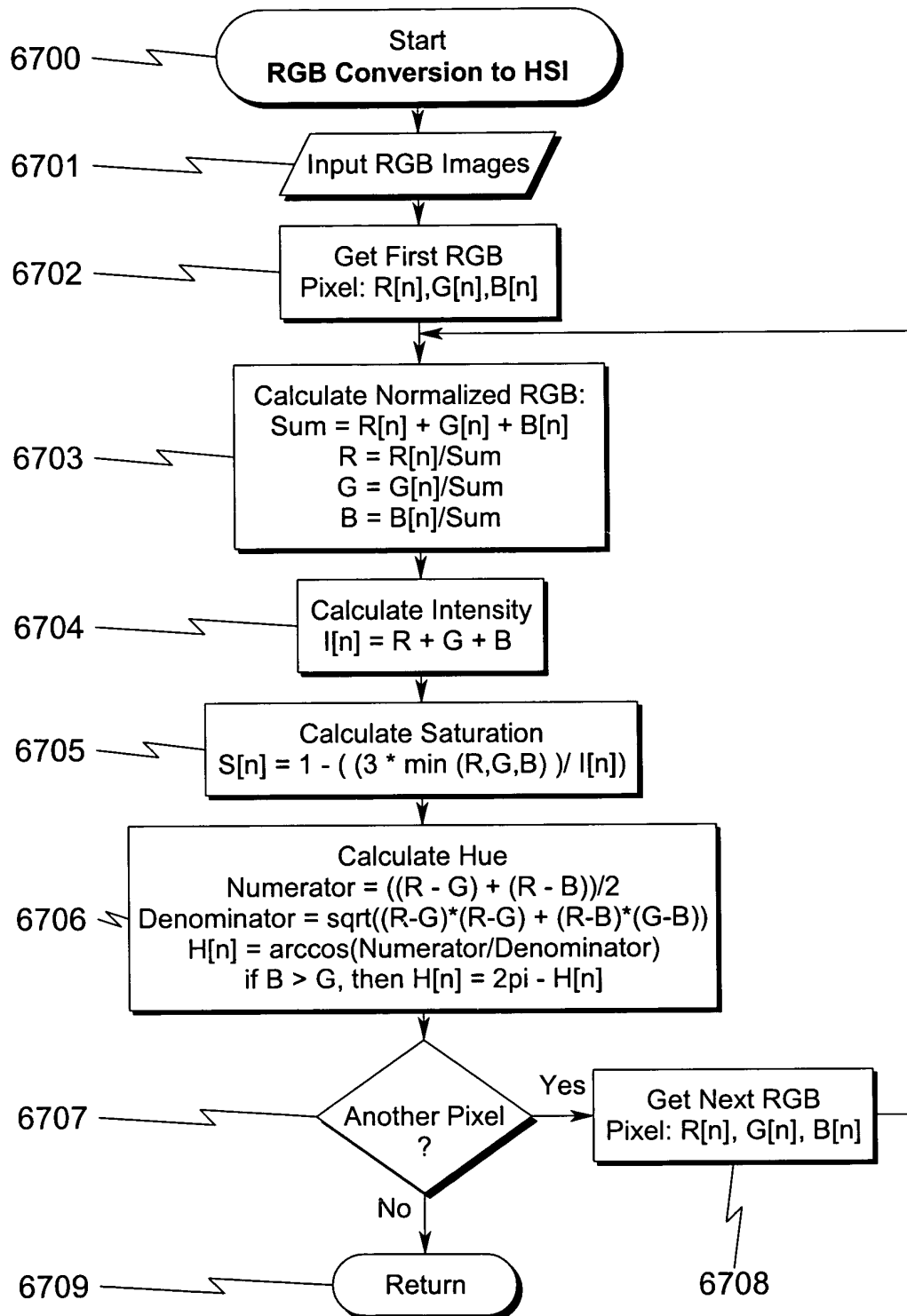


FIG. 68

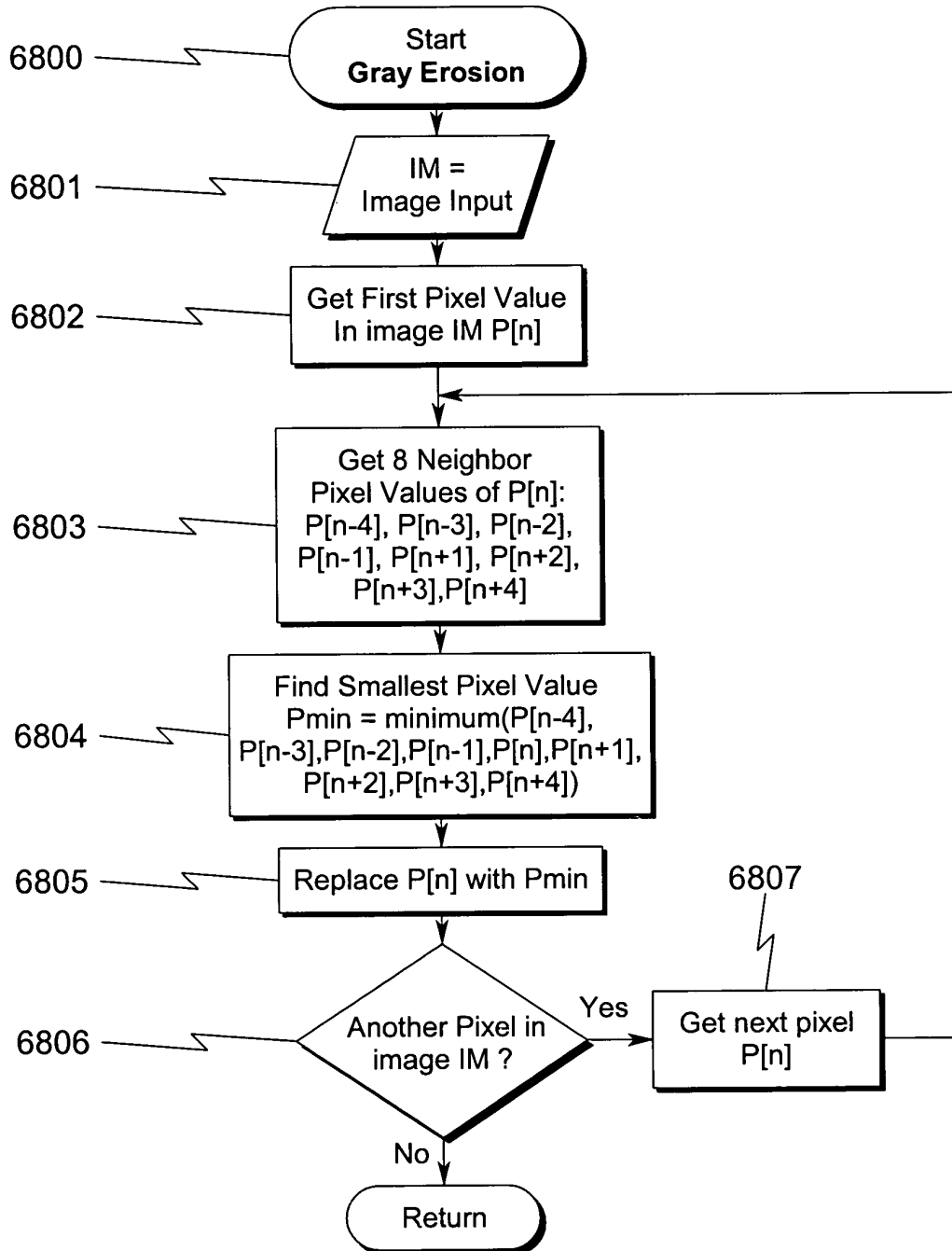


FIG. 69

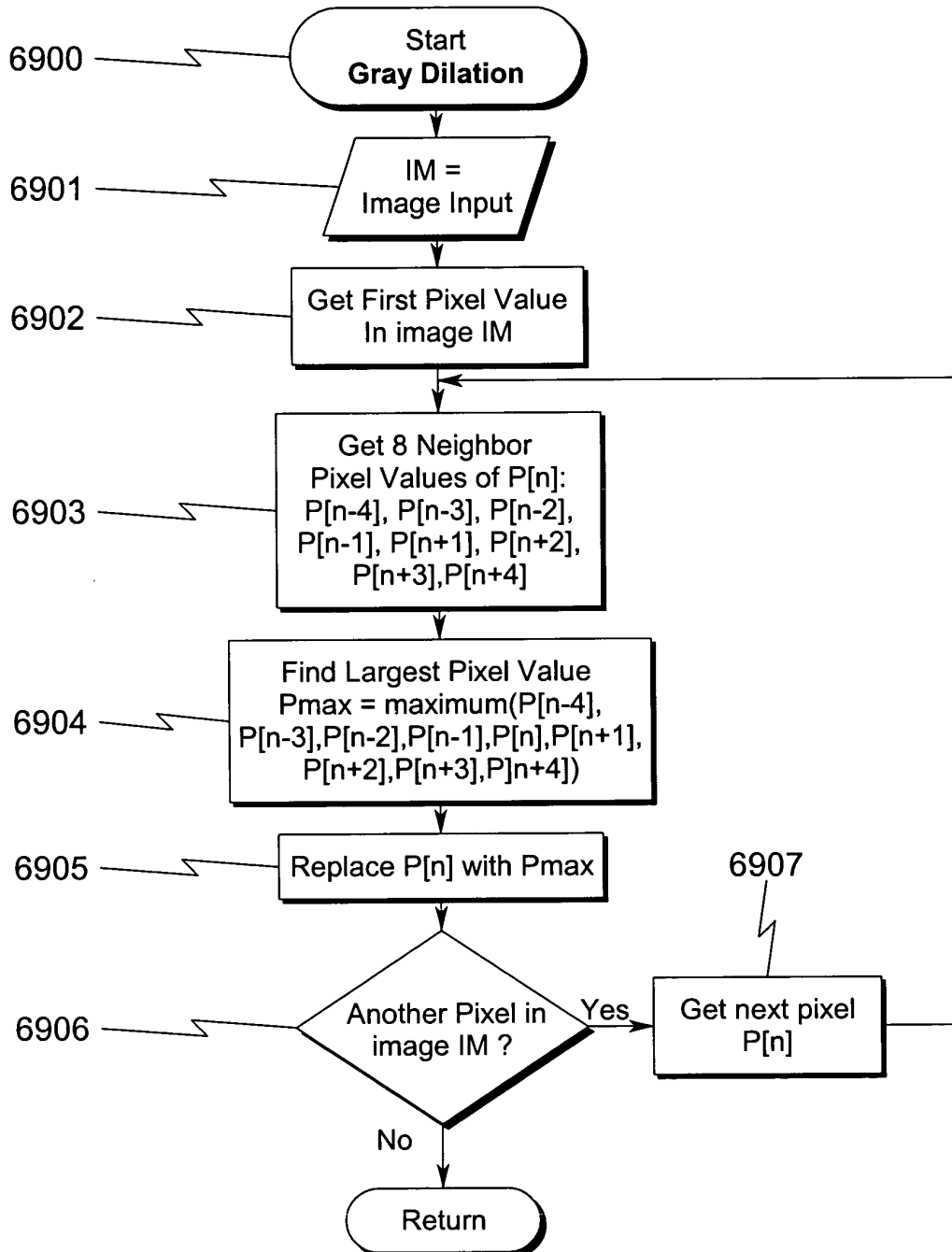


FIG. 70

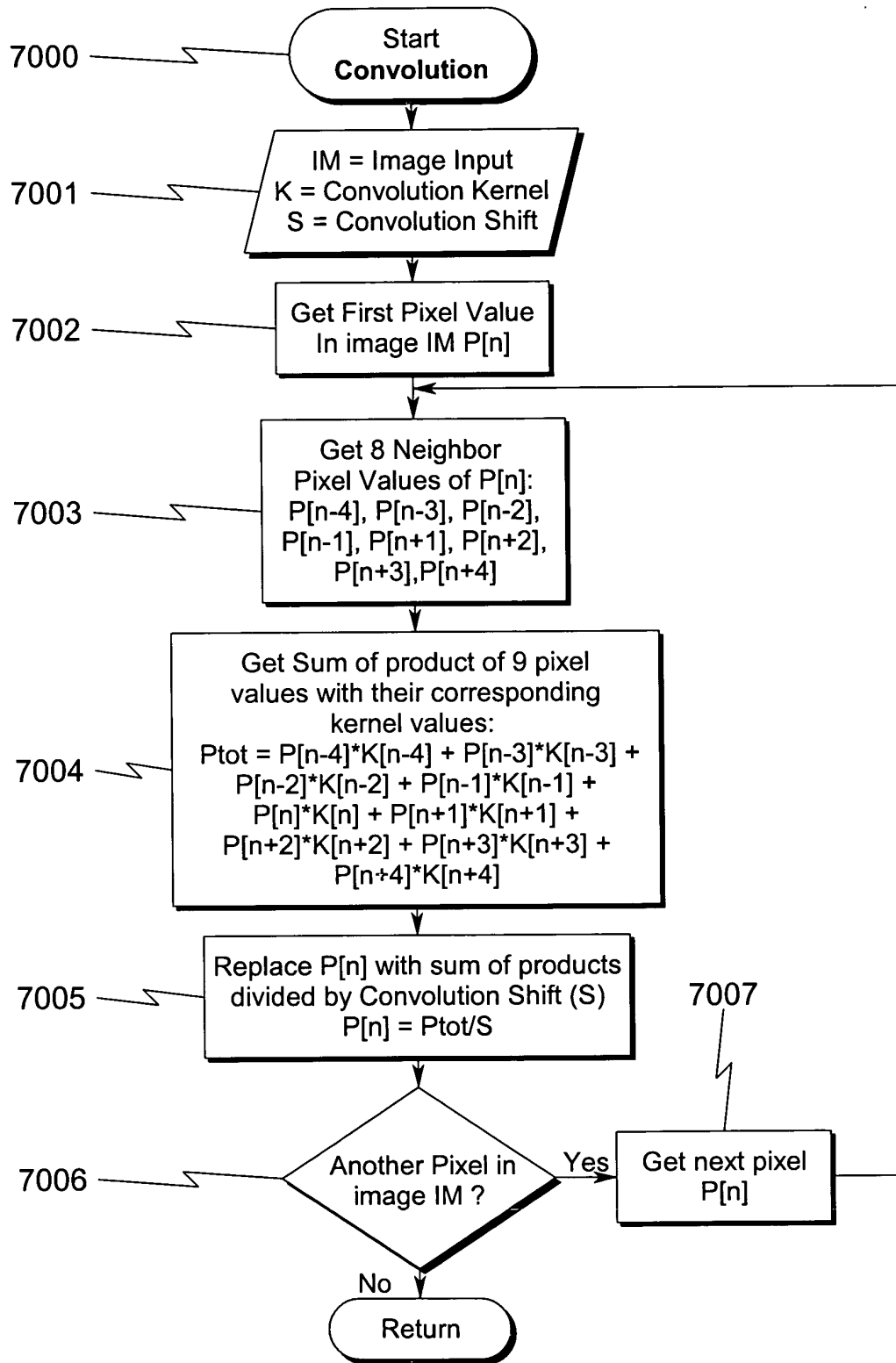


FIG. 71

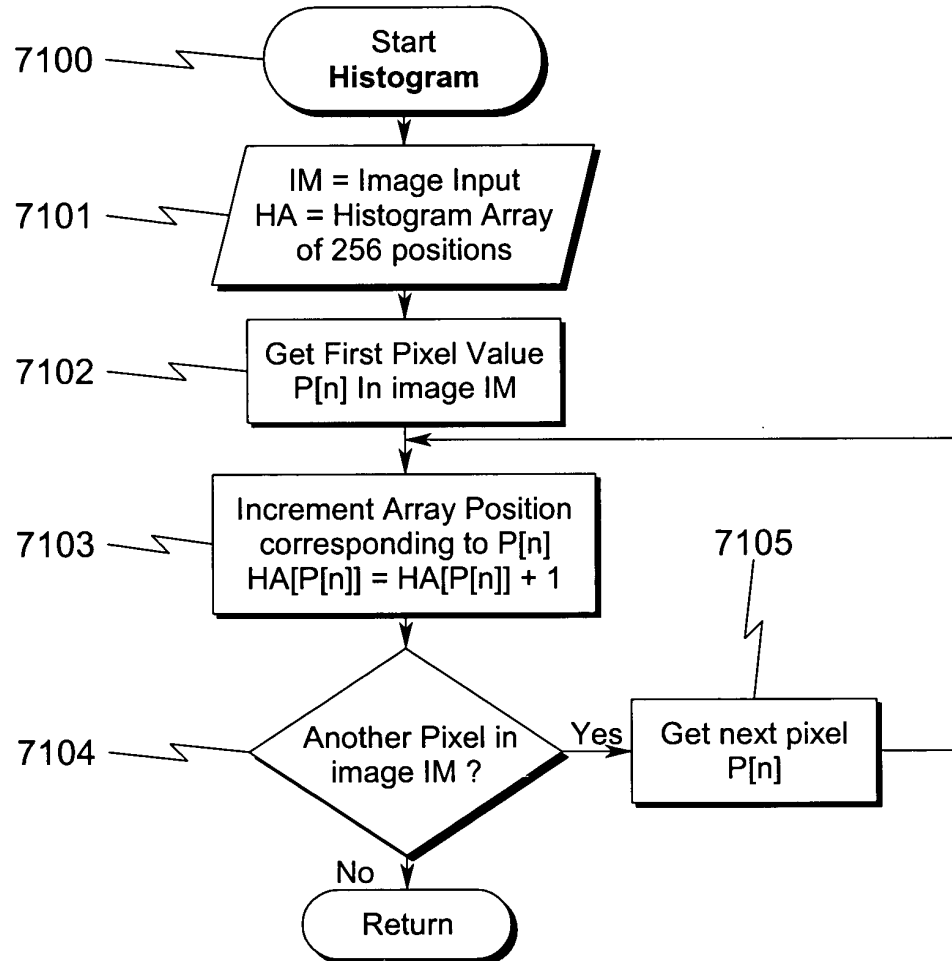


FIG. 72

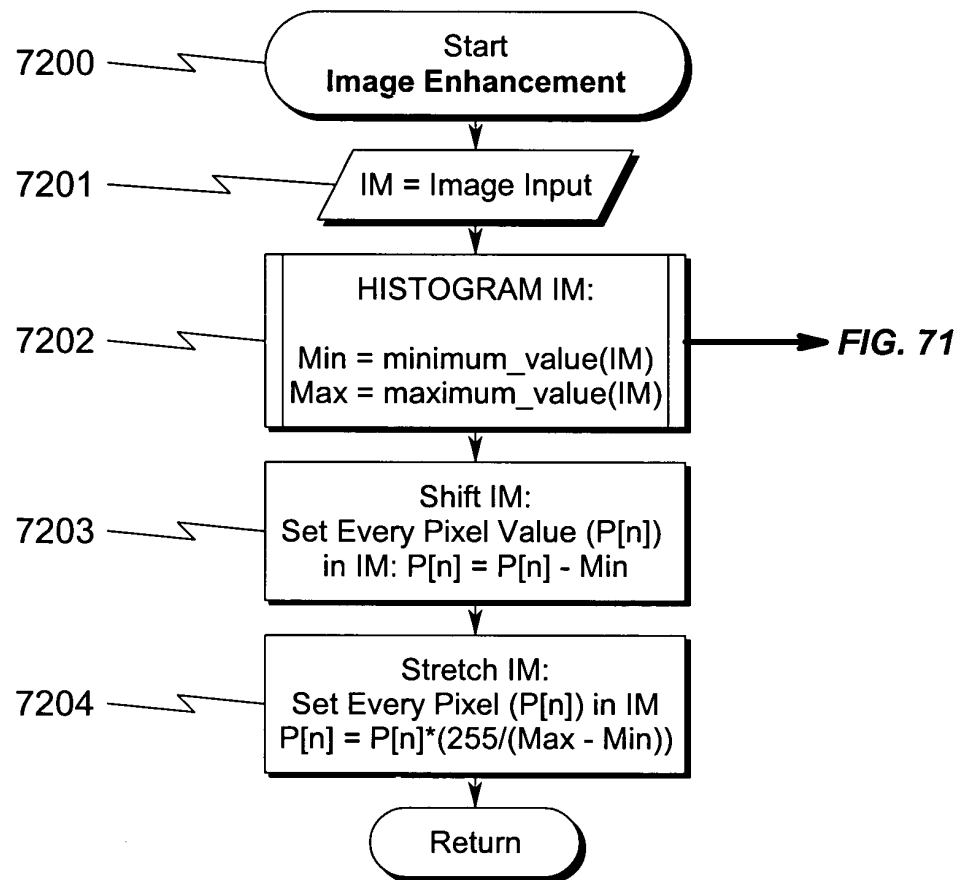


FIG. 73

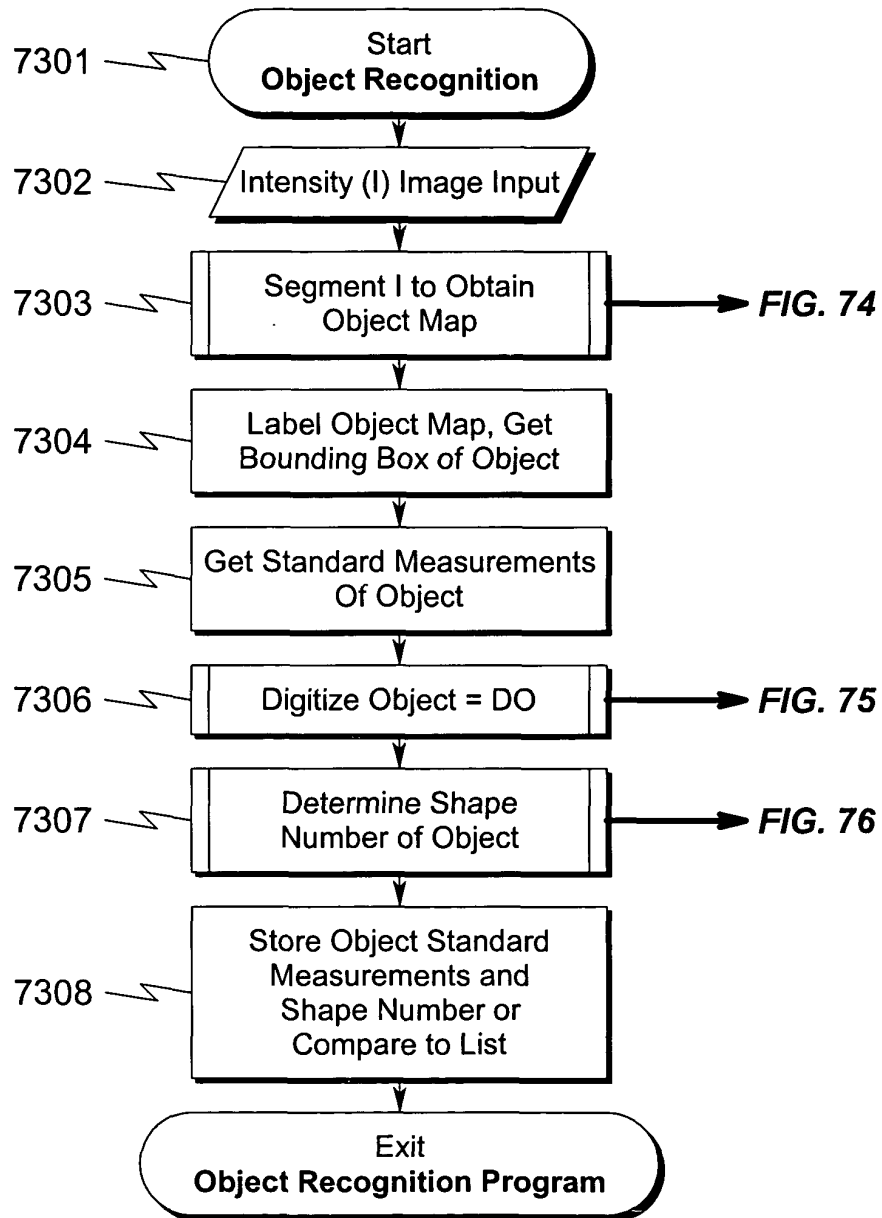


FIG. 74

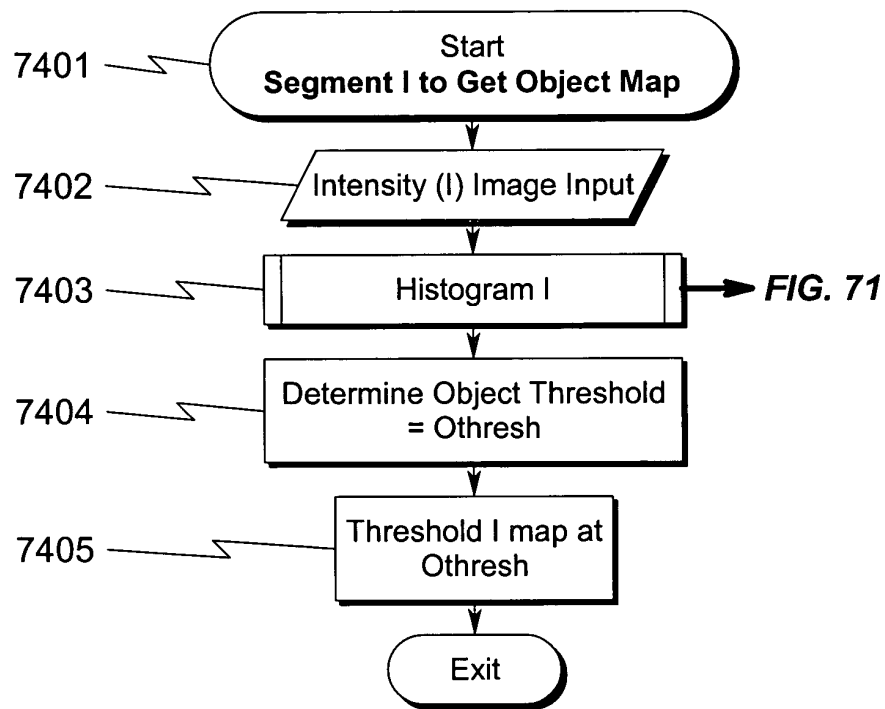


FIG. 75

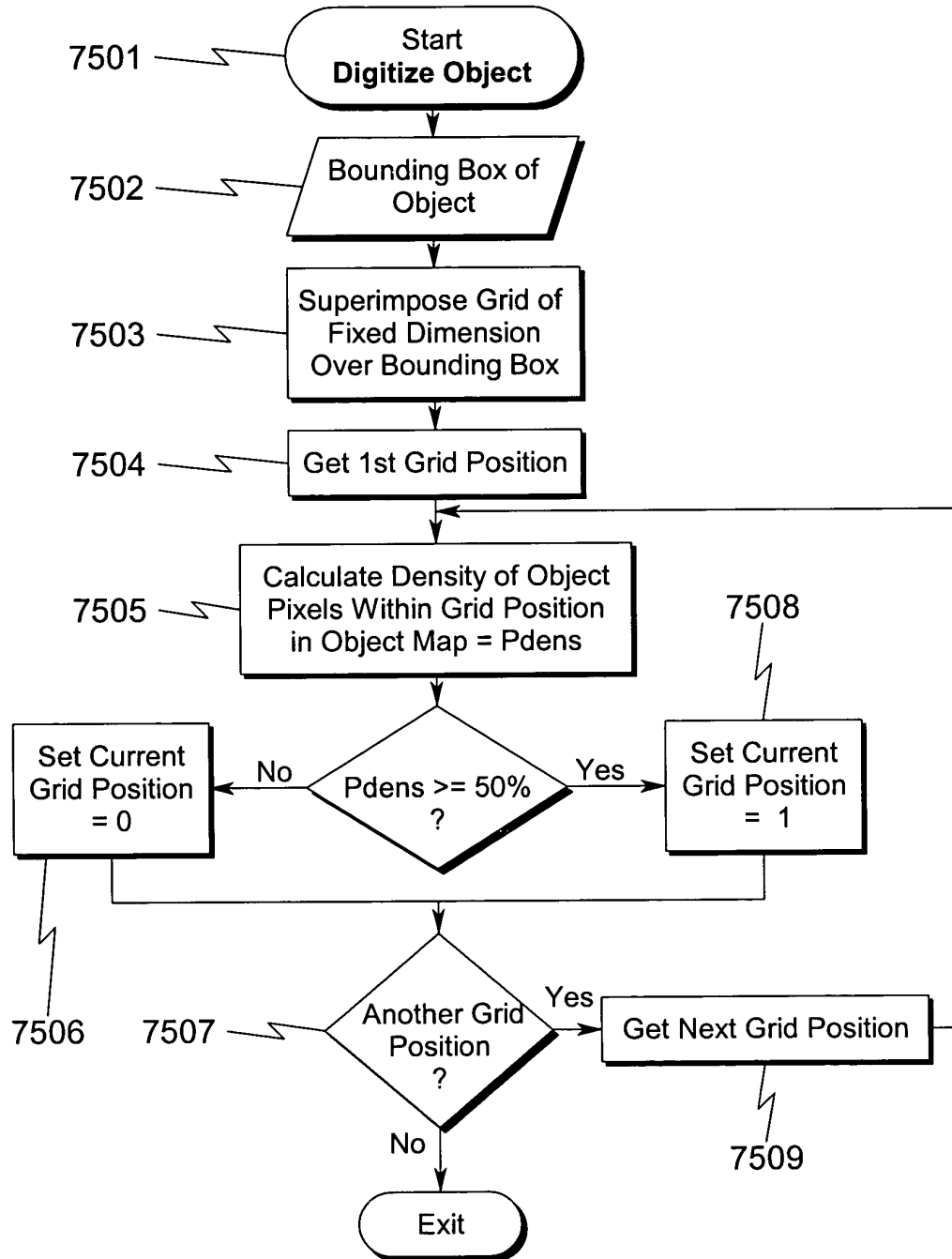


FIG. 76

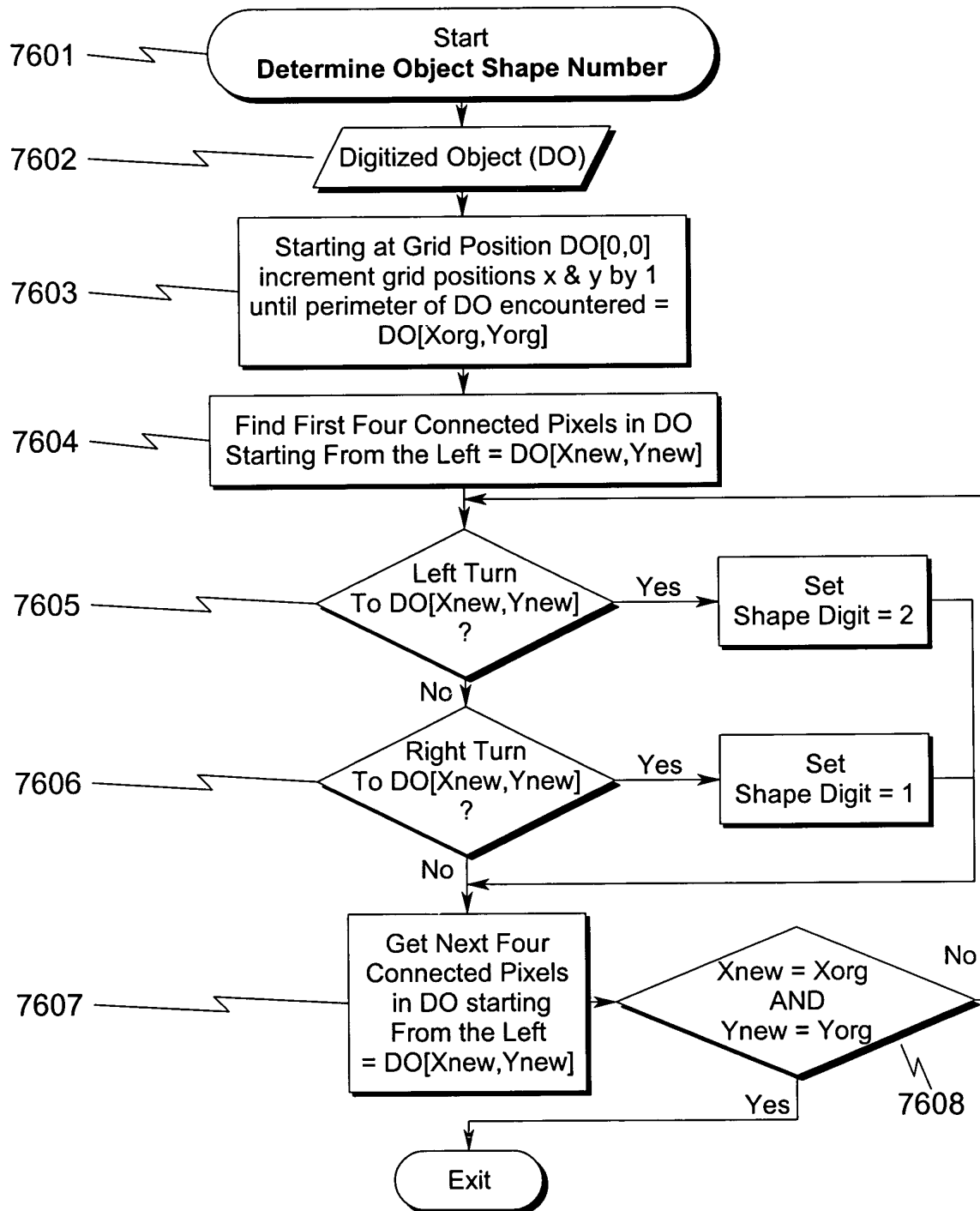


FIG. 77

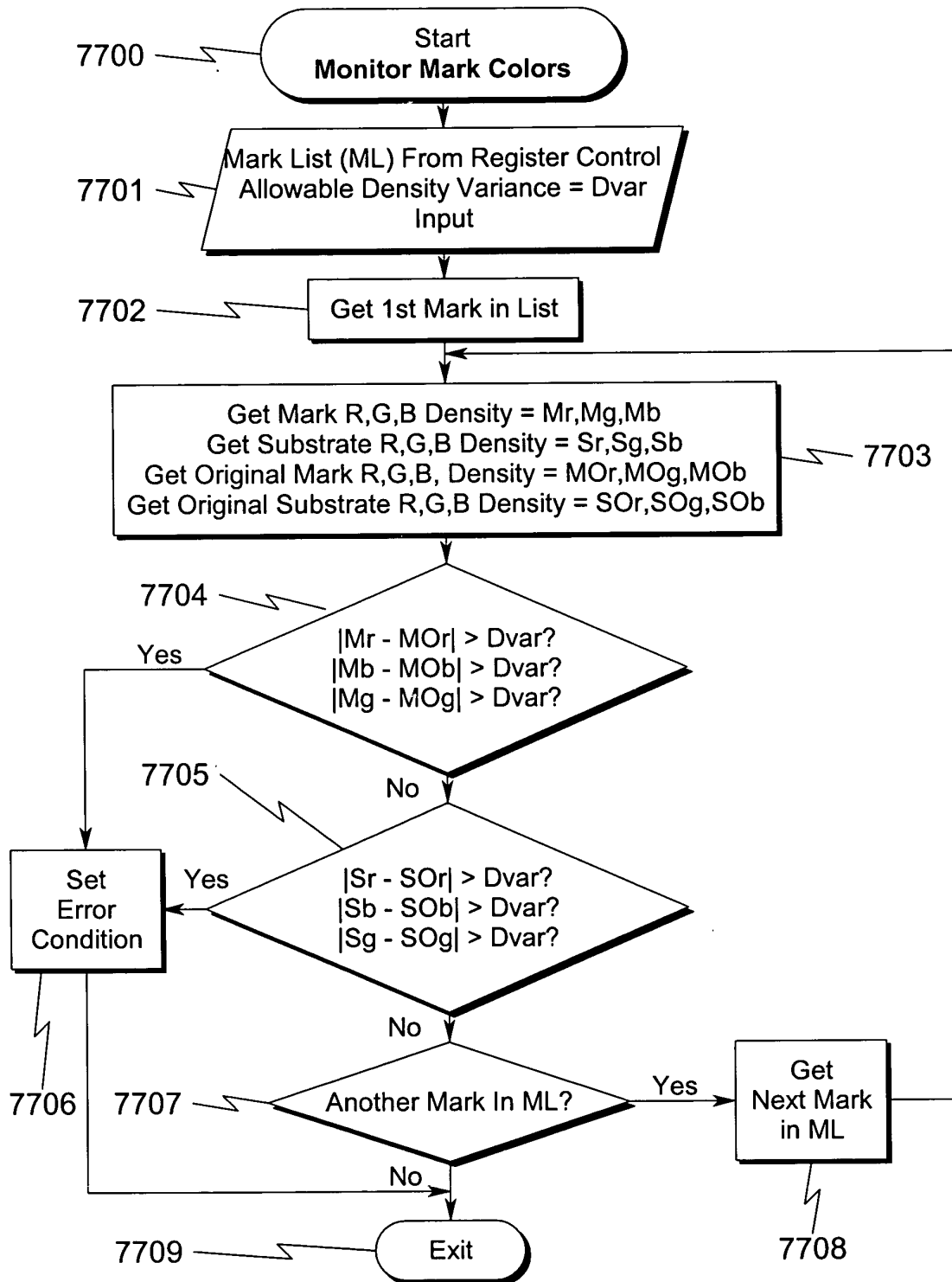


FIG. 78

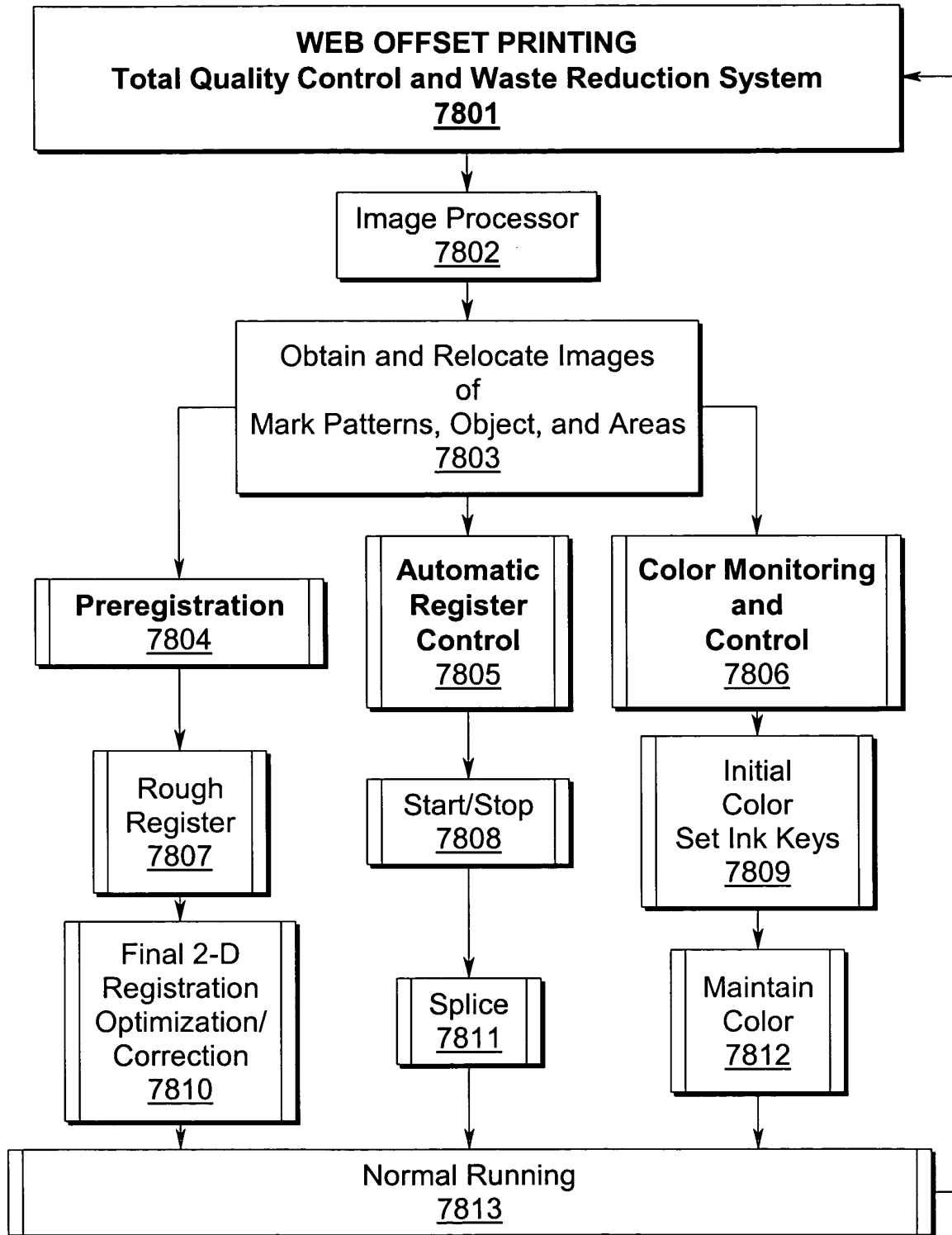


FIG. 79

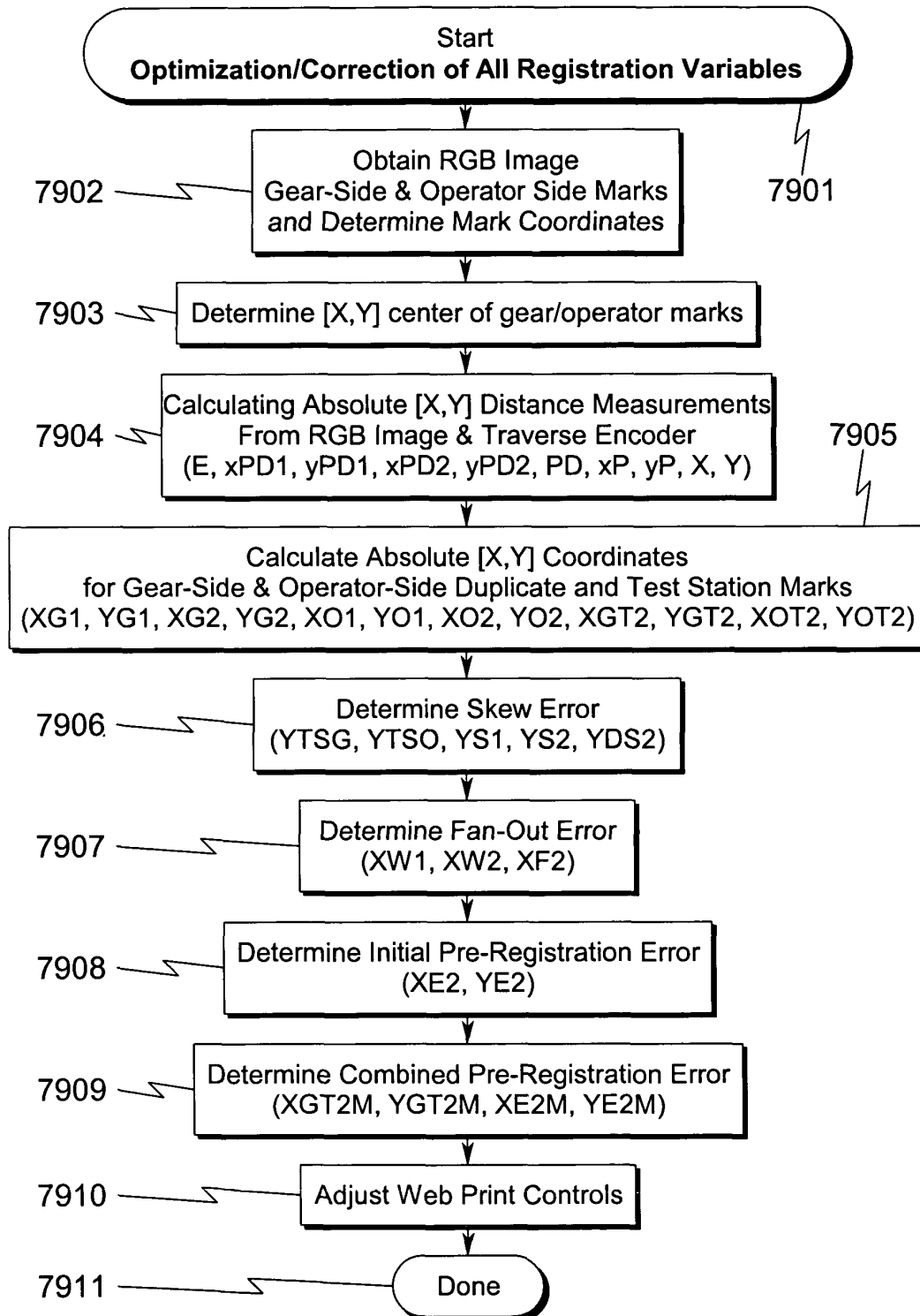
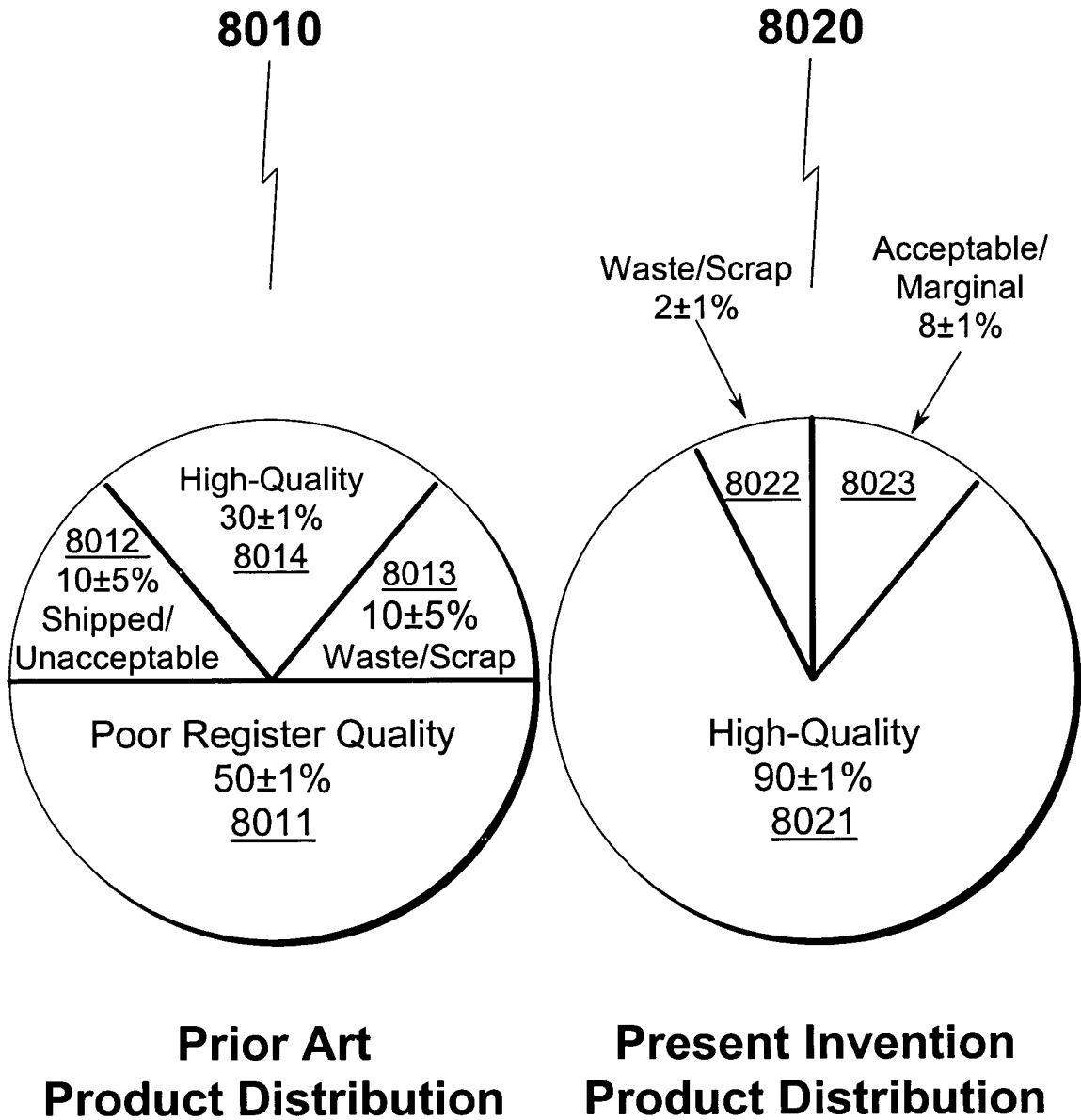


FIG. 80



**Exemplary Newspaper Publication
Waste Recovery Profile Distribution**

FIG. 81

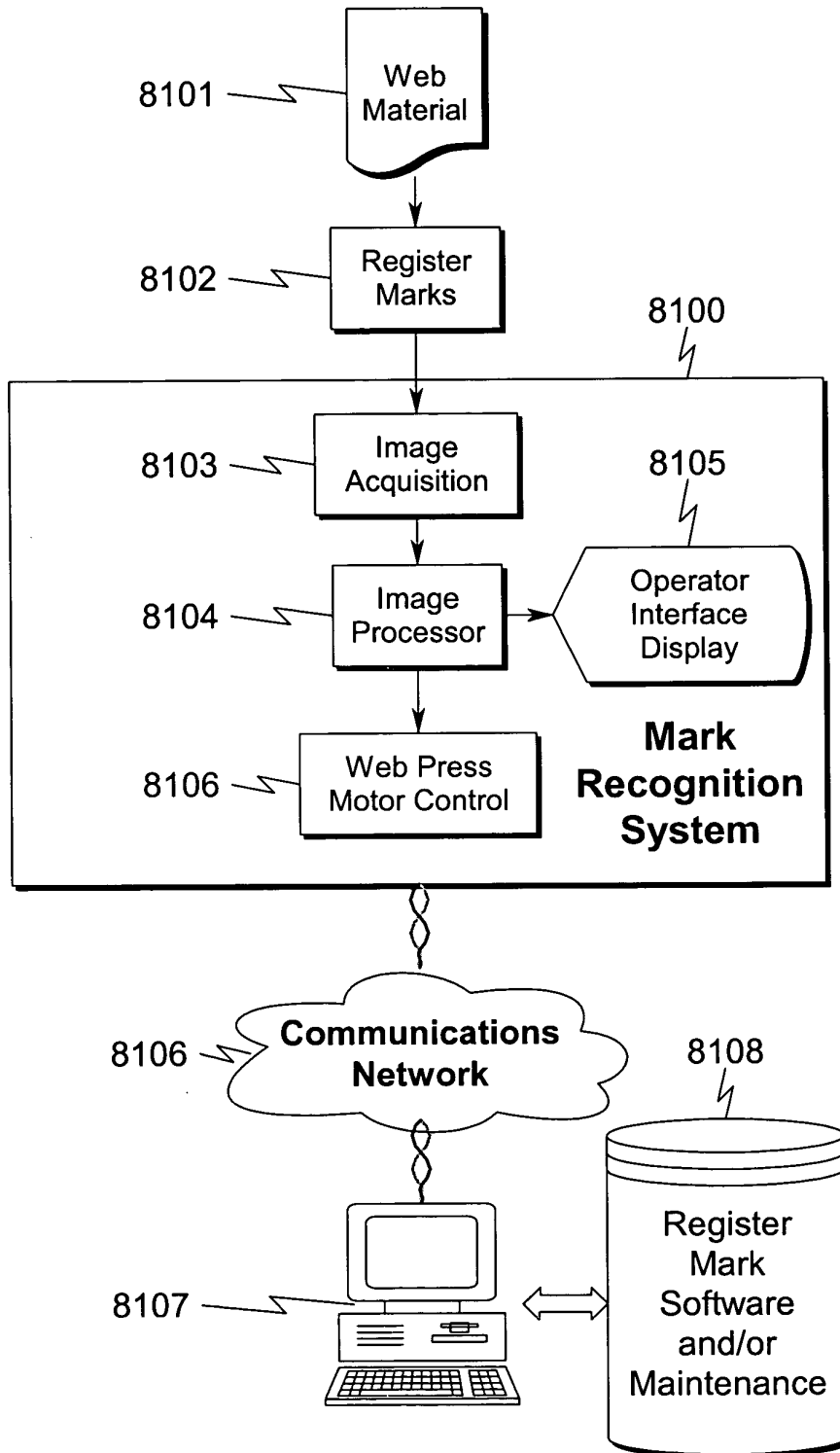


FIG. 82

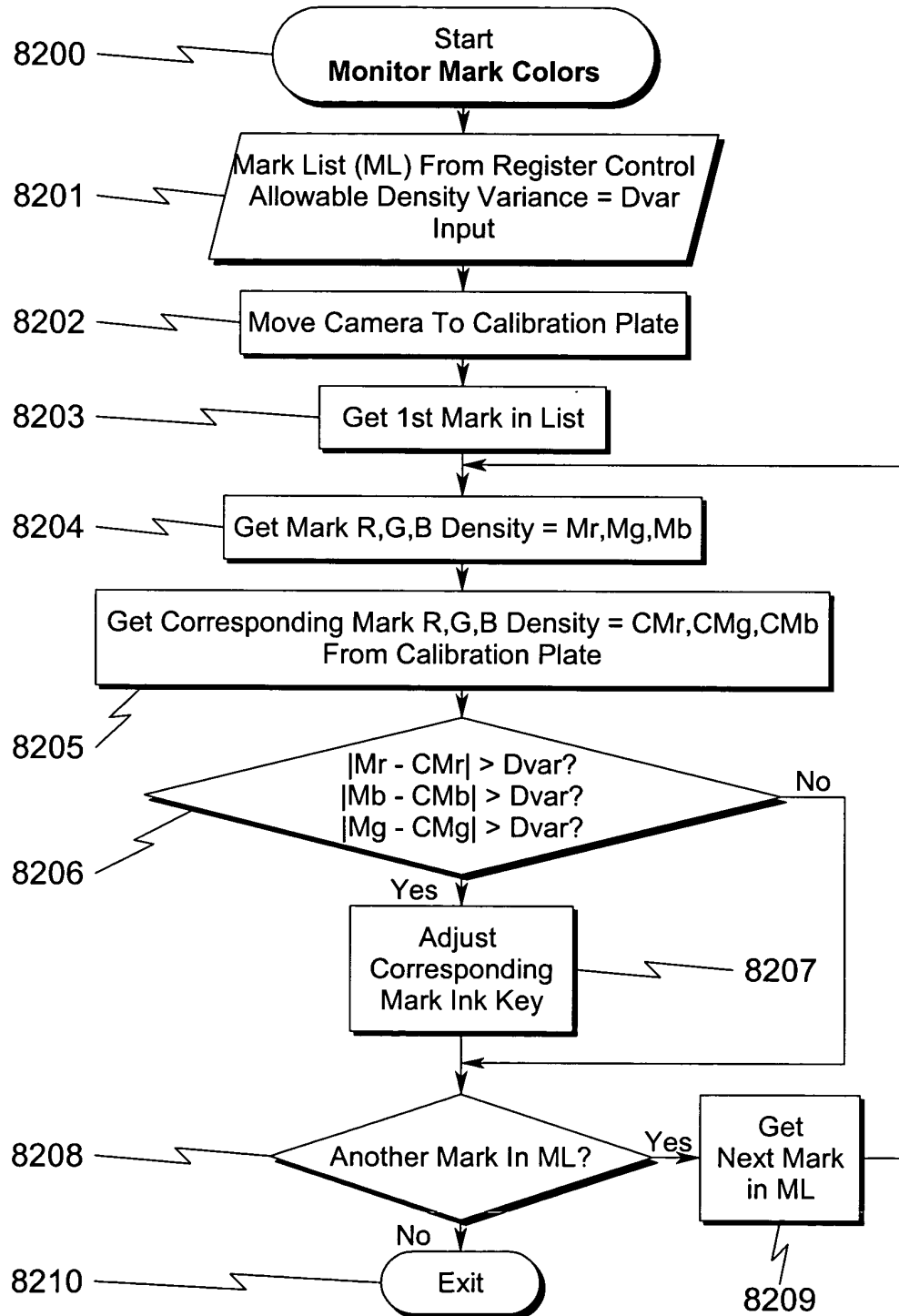


FIG. 83

